

Criteria for giving effective praise

- sincere, earned, and truthful,
- specific by giving details of what the student did well
- immediate, with praise given right after the student's action
- authentic and not repeated often
- focused on the learning process, not ability.

Chat log 1

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful,
- The praise is specific by giving details of what the student did well
- The praise is immediate, with praise given right after the student's action
- The praise is authentic and not repeated often
- The praise is focused on the learning process, not ability.

###

Math question

Last week 24,000 fans attended a football match. This week three times as many bought tickets, but one-sixth of them canceled their tickets. How many are attending this week?

A. 48000

B. 54000

C. 60000

D. 72000

###

Tutor: Good evening! Let's start with this problem. "Last week 24,000 fans attended a football match. Three times as many bought tickets this week, but one-sixth of them canceled their tickets. How many are attending this week?"

Student: I think we need to first calculate three times the fans from last week, right?

Tutor: Absolutely, you're on the right track! Now, how much does that make?

Student: That would be 72000.

Tutor: Excellent multiplication! Yes, you're correct. Now, remember one-sixth of them canceled their tickets. What should we do next?

Student: We need to subtract one-sixth of 72000 from 72000.

Tutor: That's right! I see you've clearly grasped the concept of fractions. Could you calculate it for me?

Student: The answer should be 60000.

Tutor: Fantastic! That's correct. I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer. Your logical thinking and attention to detail are really impressive. Keep it up!

Results

Tutor: Good evening! Let's start with this problem. "Last week 24,000 fans attended a football match. Three times as many bought tickets this week, but one-sixth of them canceled their tickets. How many are attending this week?"

Student: I think we need to first calculate three times the fans from last week, right?

Tutor: Absolutely, you're on the right track! Now, how much does that make?

Student: That would be 72000.

Tutor: Excellent multiplication! Yes, you're correct. Now, remember one-sixth of them cancelled their tickets. What should we do next?

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Student: The answer should be 60000.

Tutor: Fantastic! That's correct. I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer. Your logical thinking and attention to detail are really impressive. Keep it up!

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Good evening! Let's start with this problem. "Last week 24,000 fans attended a football match. Three times as many bought tickets this week, but one-sixth of them canceled their tickets. How many are attending this week?"

Student: I think we need to first calculate three times the fans from last week, right?

Tutor: Absolutely, you're on the right track! Now, how much does that make?

Student: That would be 72000.

Tutor: Excellent multiplication! Yes, you're correct. Now, remember one-sixth of them canceled their tickets. What should we do next?

Student: We need to subtract one-sixth of 72000 from 72000.

Tutor: That's right! I see you've clearly grasped the concept of fractions. Could you calculate it for me?

Student: The answer should be 60000.

Tutor: Fantastic! That's correct. I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer. Your logical thinking and attention to detail are really impressive. Keep it up!

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The tutor provides praise when the student correctly completes steps in the problem-solving process. For example, "Excellent multiplication!" after the student correctly multiplies 24,000 by 3, and "Fantastic! That's correct," when the student successfully calculates the final answer.
- The praise is specific by giving details of what the student did well: The tutor points out exactly what the student did well at different steps, such as getting on the right track, correctly multiplying, understanding fractions, and logically approaching the problem.
- The praise is immediate, with praise given right after the student's action: The tutor praises the student immediately after they correctly complete each step, such as right after the multiplication step and after calculating the correct answer.
- The praise is authentic and not repeated often: The tutor's praise is different each time, addressing a specific action the student took. For example, "Absolutely, you're on the right track!", "Excellent multiplication!", "That's right! I see you've clearly grasped the concept of fractions", and "Fantastic! That's correct".
- The praise is focused on the learning process, not ability: The tutor praises the process the student uses to solve the problem, including understanding the problem, multiplying correctly, understanding and applying the concept of fractions, and systematically approaching the problem. The tutor also praises the student's logical thinking and attention to detail.

Step 2:

- Criterion 1: The praise is sincere, earned, and truthful. -- Meets fully.
- Criterion 2: The praise is specific by giving details of what the student did well. -- Meets fully.
- Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets fully.
- Criterion 4: The praise is authentic and not repeated often. -- Meets fully.
- Criterion 5: The praise is focused on the learning process, not ability. -- Meets fully.

Step 3:

Given the analysis, the characteristics of the praise in this chat transcript best align with Option 1. The tutor provides praise that is sincere, earned, and truthful, specific, immediate, authentic, and not repetitive, and focuses on the student's learning process, not just their ability.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.

- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
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###

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Option 4

- the praise is immediate, with praise given right after the student's action.

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Option 5

- the praise is authentic and not repeated often.

However,

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- the praise is very broad in giving details of what the student did well.
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- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Good evening! Let's start with this problem. "Last week 24,000 fans attended a football match. Three times as many bought tickets this week, but one-sixth of them canceled their tickets. How many are attending this week?"

Student: I think we need to first calculate three times the fans from last week, right?

Tutor: Absolutely, you're on the right track! Now, how much does that make?

Student: That would be 72000.

Tutor: Excellent multiplication! Yes, you're correct. Now, remember one-sixth of them canceled their tickets. What should we do next?

Student: We need to subtract one-sixth of 72000 from 72000.

Tutor: That's right! I see you've clearly grasped the concept of fractions. Could you calculate it for me?

Student: The answer should be 60000.

Tutor: Fantastic! That's correct. I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer. Your logical thinking and attention to detail are really impressive. Keep it up!

###

Result

Step 1:

Analyze the transcript according to each criterion.

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: Excellent multiplication! Yes, you're correct."

Feedback: The tutor's praise meets this criterion. The praise is based on the student's accurate calculation and successful solution to the problem.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer."

Feedback: The praise here meets this criterion as well. The tutor clearly highlights the specific strategies the student used to solve the problem.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: The answer should be 60000. Tutor: Fantastic! That's correct."

Feedback: This praise meets the criterion as it is offered immediately following the student's successful problem solution.

Criterion 4: The praise is authentic and not repeated often.

Chat log: "Tutor: Absolutely, you're on the right track!... Excellent multiplication!... That's right!... Fantastic!"

Feedback: The praise meets this criterion. The tutor uses a variety of expressions to convey praise, keeping the interaction fresh and engaging.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: I appreciate how you systematically approached the problem, first multiplying, then understanding and applying the concept of fraction to find the answer."

Feedback: The praise meets this criterion as well. The tutor's praise is focused on the student's process and problem-solving strategy, rather than simply praising their innate ability.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Meets

Criterion 2: the praise is specific by giving details of what the student did well. -- Meets

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets

Criterion 4: the praise is authentic and not repeated often. -- Meets

Criterion 5: the praise is focused on the learning process, not ability. -- Meets

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.

Chat log 2

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session. In the chat log, the tutor gives the student praise that is

- focused on the learning process, not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

###

Math question

What is the median of these numbers? 2, 28, 28, 19, 67, 44, 35

A. 19

B. 28

C. 44

D. 35

###

Result

Student: I think the answer is A. 19.

Tutor: Actually, the answer is B. 28. To find the median, you list the numbers in numerical order, and then pick the number in the middle. For this list, after arranging, it is: 2, 19, 28, 28, 35, 44, 67. The number in the middle is 28.

(5 minutes later)

Tutor: By the way, I just want to mention, I really admired how you jumped right into that problem earlier. Your bravery to try is amazing. You always do a good job of tackling the problem head-on.

Student: But I got the problem wrong...

Tutor: Well, yes, but it's not always about getting the right answer. It's about the process and the willingness to learn. I love how you show that every time!

(10 minutes later)

Tutor: And, you know, your ability to handle these problems with such confidence...it's just inspiring! Keep up the fantastic work!

Student: But I don't think I did it right...

Tutor: No, no, don't worry about that. Your enthusiasm to tackle these problems is what's most important. Truly commendable!

(15 minutes later)

Tutor: And did I mention how much I admire your ability to dive into these problems? Truly impressive, really! Your process is always so interesting!

Student: But I still don't understand how to find the median...

Tutor: You'll get there, you're doing great! Remember, it's all about your effort and how you approach the problems. Keep going, you're doing a fantastic job!

Reasoning from Chat GPT

Sure, here's my reasoning based on your requirements:

1. Focused on the learning process, not ability: The tutor consistently praised the student's process (e.g., "Your bravery to try is amazing", "I love how you show that every time!"), regardless of the outcome. The tutor didn't praise the student's math skills or knowledge, but rather, the student's willingness to engage with the problem.
2. Insincere, undeserved, untruthful: The student didn't demonstrate a correct understanding of the math problem, so the praise (e.g., "You always do a good job of tackling the problem head-on.") was undeserved and untruthful.
3. Delayed from what the student did: The tutor provided the praise several minutes after the student attempted the problem, which disconnects the praise from the student's action.
4. Very broad in giving details of what the student did well: The tutor was vague about what the student did well, using phrases like "tackling the problem head-on" and "your process

is always so interesting" without providing specifics about what the student did that was impressive or interesting.

5. Unauthentic and repeated too often: The tutor repeated the same or similar phrases of praise multiple times, making the praise seem insincere or unauthentic. The frequency and repetition of praise also made it less meaningful.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
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Option 3

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Option 4

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However,

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- the praise is unauthentic and repeated too often.
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Option 5

- the praise is authentic and not repeated often.

However,

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Option 6

- the praise is focused on the learning process not ability.

However,

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###

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Option 7

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- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
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Chat Transcript

Student: I think the answer is A. 19.

Tutor: Actually, the answer is B. 28. To find the median, you list the numbers in numerical order, and then pick the number in the middle. For this list, after arranging, it is: 2, 19, 28, 28, 35, 44, 67. The number in the middle is 28.

(5 minutes later)

Tutor: By the way, I just want to mention, I really admired how you jumped right into that problem earlier. Your bravery to try is amazing. You always do a good job of tackling the problem head-on.

Student: But I got the problem wrong...

Tutor: Well, yes, but it's not always about getting the right answer. It's about the process and the willingness to learn. I love how you show that every time!

(10 minutes later)

Tutor: And, you know, your ability to handle these problems with such confidence...it's just inspiring! Keep up the fantastic work!

Student: But I don't think I did it right...

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(15 minutes later)

Tutor: And did I mention how much I admire your ability to dive into these problems? Truly impressive, really! Your process is always so interesting!

Student: But I still don't understand how to find the median...

Tutor: You'll get there, you're doing great! Remember, it's all about your effort and how you approach the problems. Keep going, you're doing a fantastic job!

###

Result

Step 1:

Step 1: Analyzing the chat transcript

1. The praise is sincere, earned, and truthful. Evidence: The tutor repeatedly recognizes the student's bravery, effort, and willingness to learn, all of which are traits the student is demonstrating.
2. The praise is specific by giving details of what the student did well. Evidence: The tutor comments on specific attributes, such as the student's bravery ("Your bravery to try is amazing.") and approach ("Your process is always so interesting!").
3. The praise is immediate, with praise given right after the student's action. Evidence: The praise is not immediate. The tutor provides praise several minutes after the student's action.
4. The praise is authentic and not repeated often. Evidence: The praise is repeated often ("And did I mention how much I admire your ability to dive into these problems?").
5. The praise is focused on the learning process, not ability. Evidence: The tutor's praise is mainly about the student's learning process and effort ("It's about the process and the willingness to learn. I love how you show that every time!" and "Remember, it's all about your effort and how you approach the problems.").

Step 2: The criteria that the chat transcript meets in terms of giving effective praise:

Criterion 1: The praise is sincere, earned, and truthful. -- Meet.

Criterion 2: The praise is specific by giving details of what the student did well. -- Meet.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Don't meet.

Criterion 4: The praise is authentic and not repeated often. -- Don't meet.

Criterion 5: The praise is focused on the learning process, not ability. -- Meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4 seems to be the best fit:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is sincere, earned, and truthful. (But the analysis shows this praise is sincere, earned, and truthful.)
- the praise is very broad in giving details of what the student did well. (But the analysis shows this praise is specific.)
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning. (But the analysis shows the praise is focused on the learning process.)

However, none of the given options exactly fits the characteristics of the praise as per the analysis. If allowed to modify an option, it would be:

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is focused on the learning process, not ability. However,
- The praise is not immediate, with praise given several minutes after the student's action.
- The praise is unauthentic and repeated often.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Student: I think the answer is A. 19.

Tutor: Actually, the answer is B. 28. To find the median, you list the numbers in numerical order, and then pick the number in the middle. For this list, after arranging, it is: 2, 19, 28, 28, 35, 44, 67. The number in the middle is 28.

(5 minutes later)

Tutor: By the way, I just want to mention, I really admired how you jumped right into that problem earlier. Your bravery to try is amazing. You always do a good job of tackling the problem head-on.

Student: But I got the problem wrong...

Tutor: Well, yes, but it's not always about getting the right answer. It's about the process and the willingness to learn. I love how you show that every time!

(10 minutes later)

Tutor: And, you know, your ability to handle these problems with such confidence...it's just inspiring! Keep up the fantastic work!

Student: But I don't think I did it right...

Tutor: No, no, don't worry about that. Your enthusiasm to tackle these problems is what's most important. Truly commendable!

(15 minutes later)

Tutor: And did I mention how much I admire your ability to dive into these problems? Truly impressive, really! Your process is always so interesting!

Student: But I still don't understand how to find the median...

Tutor: You'll get there, you're doing great! Remember, it's all about your effort and how you approach the problems. Keep going, you're doing a fantastic job!

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: By the way, I just want to mention, I really admired how you jumped right into that problem earlier. Your bravery to try is amazing. You always do a good job of tackling the problem head-on."

Feedback: This praise meets this criterion. The tutor's praise is earnest and seems to reflect the tutor's actual feelings about the student's approach.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: Well, yes, but it's not always about getting the right answer. It's about the process and the willingness to learn. I love how you show that every time!"

Feedback: The tutor's feedback does not fully meet this criterion. While the tutor does compliment the student's willingness to learn, the tutor could provide more specific details about what the student did well in this particular instance.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: (5 minutes later) "Tutor: By the way, I just want to mention, I really admired how you jumped right into that problem earlier."

Feedback: This praise does not meet this criterion. The praise is not provided immediately after the student's action, but 5 minutes later.

Criterion 4: The praise is authentic and not repeated often.

Chat log: "And, you know, your ability to handle these problems with such confidence...it's just inspiring! Keep up the fantastic work!" and "And did I mention how much I admire your ability to dive into these problems? Truly impressive, really!"

Feedback: This does not meet the criterion as the tutor frequently repeats similar praise, thus reducing its authenticity.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You'll get there, you're doing great! Remember, it's all about your effort and how you approach the problems."

Feedback: The tutor's feedback meets this criterion as it emphasizes the student's effort and approach to problem-solving, not just the outcome.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Don't meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Meet.

Step 3:

The characteristics of the praise in the overall chat transcript best align with Option 6:

- the praise is focused on the learning process not ability. However,
- the praise is sincere, but it can seem undeserved as the student didn't get the problem correct.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is repeated too often.

Chat log 3

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.
- the praise is unauthentic and repeated too often.

###

Math question

If $x = -8$, which equation is true?

A. $x(2x-4)=120$

B. $8(4-x)=96$

C. $2(4x+6)=79$

D. $6x-2=-46$

###

Result

Tutor: Hello! I hope you're doing well. Let's dive right into our math problem for today. Are you ready?

Student: Yes, I'm ready.

Tutor: Fantastic. So, the question is, if x equals -8 , which of these equations is true? I'm sure you can figure it out.

Student: Ok. I think it is... B?

Tutor: I see you've attempted to substitute x with -8 into equation B. This is a really good start! However, the result doesn't match the expected value.

Student: Ok, I'll try again. Maybe it's A?

Tutor: Great job attempting a different equation, and your willingness to keep trying is truly impressive. Unfortunately, it's not equation A either, but your perseverance is really commendable.

Student: Oh, I see. I think I understand it now. It's D.

Tutor: There we go! You've correctly identified the equation. When we substitute $x=-8$ in D, we get $6 \cdot -8 - 2 = -50$. But wait, seems like there is a misunderstanding here, the actual result is -48 , which is different from -50 . So, it's not D. Regardless, I can see that you're quickly picking up on how to substitute values. Keep it up!

Student: So, it's C?

Tutor: That's a good guess too. Unfortunately, it's not equation C either. However, your willingness to keep guessing and learning from your mistakes is extremely praiseworthy.

Student: Oh... okay. So it must be A then.

Tutor: Your tenacity and willingness to circle back to previous options are truly admirable, however, the correct answer isn't A. But don't worry! Your methodical approach to problem-solving is impressive, and that's something to be really proud of!

Reasoning from Chat GPT

Tutor: Hello! I hope you're doing well. Let's dive right into our math problem for today. Are you ready?

Student: Yes, I'm ready.

Tutor: Fantastic. So, the question is, if x equals -8 , which of these equations is true? I'm sure you can figure it out.

Student: Ok. I think it is... B?

Tutor: I see you've attempted to substitute x with -8 into equation B. This is a really good start! However, the result doesn't match the expected value.

Student: Ok, I'll try again. Maybe it's A?

Tutor: Great job attempting a different equation, and your willingness to keep trying is truly impressive. Unfortunately, it's not equation A either, but your perseverance is really commendable.

Student: Oh, I see. I think I understand it now. It's D.

Tutor: There we go! You've correctly identified the equation. When we substitute $x=-8$ in D, we get $6*-8-2 = -50$. But wait, seems like there is a misunderstanding here, the actual result is -48 , which is different from -50 . So, it's not D. Regardless, I can see that you're quickly picking up on how to substitute values. Keep it up!

Student: So, it's C?

Tutor: That's a good guess too. Unfortunately, it's not equation C either. However, your willingness to keep guessing and learning from your mistakes is extremely praiseworthy.

Student: Oh... okay. So it must be A then.

Tutor: Your tenacity and willingness to circle back to previous options are truly admirable, however, the correct answer isn't A. But don't worry! Your methodical approach to problem-solving is impressive, and that's something to be really proud of!

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello! I hope you're doing well. Let's dive right into our math problem for today. Are you ready?

Student: Yes, I'm ready.

Tutor: Fantastic. So, the question is, if x equals -8, which of these equations is true? I'm sure you can figure it out.

Student: Ok. I think it is... B?

Tutor: I see you've attempted to substitute x with -8 into equation B. This is a really good start! However, the result doesn't match the expected value.

Student: Ok, I'll try again. Maybe it's A?

Tutor: Great job attempting a different equation, and your willingness to keep trying is truly impressive. Unfortunately, it's not equation A either, but your perseverance is really commendable.

Student: Oh, I see. I think I understand it now. It's D.

Tutor: There we go! You've correctly identified the equation. When we substitute $x = -8$ in D, we get $6 \cdot -8 - 2 = -50$. But wait, seems like there is a misunderstanding here, the actual result is -48, which is different from -50. So, it's not D. Regardless, I can see that you're quickly picking up on how to substitute values. Keep it up!

Student: So, it's C?

Tutor: That's a good guess too. Unfortunately, it's not equation C either. However, your willingness to keep guessing and learning from your mistakes is extremely praiseworthy.

Student: Oh... okay. So it must be A then.

Tutor: Your tenacity and willingness to circle back to previous options are truly admirable, however, the correct answer isn't A. But don't worry! Your methodical approach to problem-solving is impressive, and that's something to be really proud of!

###

Result

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful: The tutor often comments on the student's perseverance, tenacity, and methodical approach, which are attributes that the student demonstrates during the session. The praise is, therefore, sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well: The tutor gives specific feedback on what the student does well, such as "I see you've attempted to substitute x with -8 into equation B. This is a really good start!", and "Your tenacity and willingness to circle back to previous options are truly admirable...".
- The praise is immediate, with praise given right after the student's action: The tutor gives feedback immediately after the student makes an attempt, such as after the student tries to substitute x with -8 into equation B and tries different equations.
- The praise is authentic and not repeated often: The tutor varies the praise given to the student, focusing on different aspects of the student's performance each time, like the student's methodical approach, perseverance, willingness to keep guessing, etc.
- The praise is focused on the learning process, not ability: The tutor concentrates on the student's learning process - their willingness to try, to learn from mistakes, and to keep persevering - rather than their inherent ability to get the correct answer.

Step 2:

- Criterion 1: the praise is sincere, earned, and truthful. -- meet
- Criterion 2: the praise is specific by giving details of what the student did well. -- meet
- Criterion 3: the praise is immediate, with praise given right after the student's action. -- meet
- Criterion 4: the praise is authentic and not repeated often. -- meet

Criterion 5: the praise is focused on the learning process, not ability. -- meet

Step 3:

The characteristics of the praise in the overall chat transcript best align with Option 1:

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's

answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello! I hope you're doing well. Let's dive right into our math problem for today. Are you ready?

Student: Yes, I'm ready.

Tutor: Fantastic. So, the question is, if x equals -8, which of these equations is true? I'm sure you can figure it out.

Student: Ok. I think it is... B?

Tutor: I see you've attempted to substitute x with -8 into equation B. This is a really good start! However, the result doesn't match the expected value.

Student: Ok, I'll try again. Maybe it's A?

Tutor: Great job attempting a different equation, and your willingness to keep trying is truly impressive. Unfortunately, it's not equation A either, but your perseverance is really commendable.

Student: Oh, I see. I think I understand it now. It's D.

Tutor: There we go! You've correctly identified the equation. When we substitute $x=-8$ in D, we get $6 \cdot -8 - 2 = -50$. But wait, seems like there is a misunderstanding here, the actual result is -48, which is different from -50. So, it's not D. Regardless, I can see that you're quickly picking up on how to substitute values. Keep it up!

Student: So, it's C?

Tutor: That's a good guess too. Unfortunately, it's not equation C either. However, your willingness to keep guessing and learning from your mistakes is extremely praiseworthy.

Student: Oh... okay. So it must be A then.

Tutor: Your tenacity and willingness to circle back to previous options are truly admirable, however, the correct answer isn't A. But don't worry! Your methodical approach to problem-solving is impressive, and that's something to be really proud of!

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Great job attempting a different equation, and your willingness to keep trying is truly impressive."

Feedback: This praise meets the criterion as it is sincere and truthful. The tutor sincerely appreciates the student's effort and perseverance. The praise is based on the student's actual actions.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: Regardless, I can see that you're quickly picking up on how to substitute values. Keep it up!"

Feedback: This praise meets the criterion as it is specific and provides details on what the student did well - in this case, quickly picking up on how to substitute values.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: So, it's C? Tutor: That's a good guess too. Unfortunately, it's not equation C either. However, your willingness to keep guessing and learning from your mistakes is extremely praiseworthy."

Feedback: This praise meets the criterion as it is given immediately after the student's action.

Criterion 4: The praise is authentic and not repeated often Chat log: "Tutor: Your tenacity and willingness to circle back to previous options are truly admirable"

Feedback: The tutor's praise is authentic and is not repeated often. The tutor praises the student's tenacity and willingness to keep guessing, which is specific to the student's behavior in the session.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: But don't worry! Your methodical approach to problem-solving is impressive, and that's something to be really proud of!"

Feedback: The praise meets this criterion as it is about the student's process and effort, not just their innate ability. The tutor focuses on the student's problem-solving approach.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful -- Meets

Criterion 2: The praise is specific by giving details of what the student did well -- Meets

Criterion 3: The praise is immediate, with praise given right after the student's action -- Meets

Criterion 4: The praise is authentic and not repeated often -- Meets

Criterion 5: The praise is focused on the learning process, not ability -- Meets

Step 3: Considering the feedback from Step 1, the chat transcript falls under Option 1:

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Chat log 4

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives praise to the student.

However,

- the praise is focused on the ability more than the learning.
- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

###

The question

In a bag of small balls, $\frac{1}{3}$ is black, $\frac{1}{6}$ is white, $\frac{1}{4}$ is red and the remaining $\frac{1}{2}$ is blue. How many balls are white?

- A. 8
- B. 12
- C. 16
- D. 24

###

Result

Tutor: Hello there! Ready to solve some math problems today?

Student: Yes, I'm ready.

Tutor: Awesome! Let's look at this problem: In a bag of small balls, $\frac{1}{3}$ is black, $\frac{1}{6}$ is white, $\frac{1}{4}$ is red and the remaining $\frac{1}{2}$ is blue. How many balls are white? Here are your options: A) 8, B) 12, C) 16, D) 24.

Student: Okay, I'm thinking the answer is A) 8.

Tutor: Hmm, not quite, but I appreciate your effort! Actually, there seems to be an error in the question - the fractions should add up to 1 but here they add up to more than 1. Let's correct it.

Student: Oh, okay.

[Several minutes later]

Tutor: I've got to say, your handling of that problem was exceptional. I can't get over how great you are with these complex mathematical problems.

Student: But I didn't get the answer right...

Tutor: Oh, but the way you approached it was just terrific. You know, I've always admired your ability to tackle difficult problems.

Student: Thanks, I guess. Can we try the corrected problem?

Tutor: Of course! I'm still just so impressed with how you handled that last question. Let's move on to the corrected problem.

[After solving the corrected problem]

Tutor: Wow, just wow! You never cease to amaze me with your incredible math skills!

Student: But you corrected the problem...

Tutor: Yes, but the way you dealt with the uncertainty... I'm astounded! You truly have a gift for numbers, you know that?

Student: Okay... thanks.

Tutor: Fantastic! Let's move on to the next problem. You're doing an extraordinary job!

Student: But I haven't done anything yet...

Tutor: Ah, but your approach is simply astounding. So let's keep going!

[End of tutoring session]

Reasoning from Chat GPT

In this generated chat log, the praise given by the tutor to the student is focused more on the ability ("I can't get over how great you are with these complex mathematical problems", "You truly have a gift for numbers") than on the learning process. The praise is clearly insincere and undeserved because the student didn't actually solve the problem correctly or show any exceptional mathematical skills.

Moreover, the tutor's praise is delayed, coming after the student has made a mistake and even after the tutor corrected the problem. In other words, the student's action that deserved praise (if any) was not immediately followed by praise, which makes the praise less effective and meaningful.

The praise from the tutor is also very broad, as it doesn't give specific details about what the student did well. Rather, it focuses on generic comments about the student's skills ("You know, I've always admired your ability to tackle difficult problems").

Finally, the tutor's praise is unauthentic and repeated too often. The tutor repeatedly mentions how "impressed" or "astounded" they are, despite the fact that the student hasn't done anything noteworthy. By repeating praise in a way that doesn't correlate with the student's actions, the tutor's words may come across as insincere and unauthentic. This can actually be counterproductive, as it may cause the student to distrust the tutor's feedback, undermining their relationship and the student's learning progress.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! Ready to solve some math problems today?

Student: Yes, I'm ready.

Tutor: Awesome! Let's look at this problem: In a bag of small balls, $\frac{1}{3}$ is black, $\frac{1}{6}$ is white, $\frac{1}{4}$ is red and the remaining $\frac{1}{2}$ is blue. How many balls are white? Here are your options: A) 8, B) 12, C) 16, D) 24.

Student: Okay, I'm thinking the answer is A) 8.

Tutor: Hmm, not quite, but I appreciate your effort! Actually, there seems to be an error in the question - the fractions should add up to 1 but here they add up to more than 1. Let's correct it.

Student: Oh, okay.

[Several minutes later]

Tutor: I've got to say, your handling of that problem was exceptional. I can't get over how great you are with these complex mathematical problems.

Student: But I didn't get the answer right...

Tutor: Oh, but the way you approached it was just terrific. You know, I've always admired your ability to tackle difficult problems.

Student: Thanks, I guess. Can we try the corrected problem?

Tutor: Of course! I'm still just so impressed with how you handled that last question. Let's move on to the corrected problem.

[After solving the corrected problem]

Tutor: Wow, just wow! You never cease to amaze me with your incredible math skills!

Student: But you corrected the problem...

Tutor: Yes, but the way you dealt with the uncertainty... I'm astounded! You truly have a gift for numbers, you know that?

Student: Okay... thanks.

Tutor: Fantastic! Let's move on to the next problem. You're doing an extraordinary job!

Student: But I haven't done anything yet...

Tutor: Ah, but your approach is simply astounding. So let's keep going!

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The tutor's praise doesn't seem to be grounded in the student's actual performance. They offer praise even when the student didn't answer correctly or before the student has attempted a problem. So, this criterion isn't met. Evidence: "I've got to say, your handling of that problem was exceptional. I can't get over how great you are with these complex mathematical problems." after the student made a mistake, and "You're doing an extraordinary job!" before the student had done anything.
- The praise is specific by giving details of what the student did well: The praise given by the tutor is not very specific. The tutor does not point out what exactly the student did well. So, this criterion isn't met. Evidence: "Oh, but the way you approached it was just terrific. You know, I've always admired your ability to tackle difficult problems." This does not specify what part of the approach was terrific.
- The praise is immediate, with praise given right after the student's action: While the tutor does offer praise after the student's actions, it often seems unconnected to the student's actual performance. So, this criterion is met, but not in an effective way. Evidence: "Wow, just wow! You never cease to amaze me with your incredible math skills!" after the tutor corrected the problem, not the student.

- The praise is authentic and not repeated often: The tutor's praise appears frequently and seems insincere given that it's not always tied to the student's performance. This criterion isn't met. Evidence: "Of course! I'm still just so impressed with how you handled that last question." This was repeated after the student hadn't done anything exceptional.
- The praise is focused on the learning process, not ability: The tutor's praise is focused more on the student's supposed ability rather than the learning process. This criterion isn't met. Evidence: "You truly have a gift for numbers, you know that?"

Step 2:

- Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet.
- Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet.
- Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet (but not in an effective way).
- Criterion 4: The praise is authentic and not repeated often. -- Don't meet.
- Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3:

Option 7 best represents the characteristics of the praise in the overall chat transcript.

- The praise is insincere, undeserved, untruthful.
- The praise is very broad in giving details of what the student did well.
- The praise is delayed from what the student did.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! Ready to solve some math problems today?

Student: Yes, I'm ready.

Tutor: Awesome! Let's look at this problem: In a bag of small balls, $\frac{1}{3}$ is black, $\frac{1}{6}$ is white, $\frac{1}{4}$ is red and the remaining $\frac{1}{2}$ is blue. How many balls are white? Here are your options: A) 8, B) 12, C) 16, D) 24.

Student: Okay, I'm thinking the answer is A) 8.

Tutor: Hmm, not quite, but I appreciate your effort! Actually, there seems to be an error in the question - the fractions should add up to 1 but here they add up to more than 1. Let's correct it.

Student: Oh, okay.

[Several minutes later]

Tutor: I've got to say, your handling of that problem was exceptional. I can't get over how great you are with these complex mathematical problems.

Student: But I didn't get the answer right...

Tutor: Oh, but the way you approached it was just terrific. You know, I've always admired your ability to tackle difficult problems.

Student: Thanks, I guess. Can we try the corrected problem?

Tutor: Of course! I'm still just so impressed with how you handled that last question. Let's move on to the corrected problem.

[After solving the corrected problem]

Tutor: Wow, just wow! You never cease to amaze me with your incredible math skills!

Student: But you corrected the problem...

Tutor: Yes, but the way you dealt with the uncertainty... I'm astounded! You truly have a gift for numbers, you know that?

Student: Okay... thanks.

Tutor: Fantastic! Let's move on to the next problem. You're doing an extraordinary job!

Student: But I haven't done anything yet...

Tutor: Ah, but your approach is simply astounding. So let's keep going!

###

Result

Step 1:

- Criterion 1: The praise is sincere, earned, and truthful. The tutor appears to be offering sincere praise; however, it is not always earned or truthful. The student did not answer the problem correctly, yet the tutor excessively praises the student's effort. Thus, the praise does not meet this criterion.
- Criterion 2: The praise is specific by giving details of what the student did well. The praise does not meet this criterion. The tutor consistently gives the student high praise but does not provide details about what the student did well. The praise is general and not tied to specific actions or achievements by the student.

- Criterion 3: The praise is immediate, with praise given right after the student's action. The tutor offers praise immediately after the student's action, regardless of the outcome. Thus, the praise meets this criterion.
- Criterion 4: The praise is authentic and not repeated often. The praise does not meet this criterion. The tutor repeats similar phrases of praise ("I'm still just so impressed...", "Wow, just wow!", "You're doing an extraordinary job!") without a clear connection to the student's achievements or actions. This makes the praise seem less authentic.
- Criterion 5: The praise is focused on the learning process, not ability. The praise does not meet this criterion. The tutor mostly praises the student's alleged ability ("You truly have a gift for numbers..."), not the learning process.

Step 2:

- Criterion 1: the praise is sincere, earned, and truthful. -- don't meet.
- Criterion 2: the praise is specific by giving details of what the student did well. -- don't meet.
- Criterion 3: the praise is immediate, with praise given right after the student's action. -- meet.
- Criterion 4: the praise is authentic and not repeated often. -- don't meet.
- Criterion 5: the praise is focused on the learning process, not ability. -- don't meet.

Step 3:

The characteristics of the praise in the overall chat transcript most closely align with Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 5

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is focused on the ability more than the learning.

###

Math question

Sophia purchased a sofa for \$530.40. The sofa is regularly priced at \$624. What was the percent discount Sophia received on the sofa?

- A. 12%
- B. 15%
- C. 20%
- D. 25%

###

Result

Tutor: Hi there! Are you ready to solve today's math problem?

Student: Yes, I am ready.

Tutor: That's the spirit! Alright, let's dive into it.

Student: Okay, I'm looking at the problem. Sophia bought a sofa for \$530.40 and it was originally \$624. So I need to find out the percentage discount.

Tutor: Exactly! Great job understanding the problem. Now how do you think we could go about solving this?

Student: I think I should subtract the sale price from the original price. Then I divide that by the original price and multiply by 100 to get the percentage.

Tutor: Yes, that's a fantastic approach! So what do you get when you do those calculations?

Student: When I subtract \$530.40 from \$624, I get \$93.60. Then, when I divide that by \$624 and multiply by 100, I get 15%.

Tutor: That's exactly right! You nailed it! Now, this might seem a little out of place, but I just want to mention how smart you are. Your mathematical abilities are impressive, and it shows in your ability to solve problems like this one. Your approach was spot on, and it's amazing to see how quickly and accurately you got the right answer. Keep it up, you're a real math whiz!

Student: Thanks! I'll try my best.

Tutor: I have no doubt about that! I'm excited to see where your math skills will take you. Shall we move on to the next problem?

Reasoning from Chat GPT

Here's how the feedback met your criteria:

1. Authentic and not repeated often: The feedback given by the tutor is unique and doesn't seem like a canned response. It's tailored to the specific situation.
2. Insincere, undeserved, untruthful: Although the praise is ostensibly positive, it doesn't accurately reflect the student's actions. The student just correctly applied a simple mathematical formula. The tutor exaggerated by calling the student a "math whiz" and saying they are "impressive" which might not align with reality.
3. Delayed from what the student did: The praise was given after the student had already solved the problem and moved on, instead of in response to the student's immediate action.

4. Very broad in giving details of what the student did well: The tutor praises the student's "mathematical abilities" and their "approach," but doesn't delve into specific details of what the student did well in this specific problem.
5. Focused on the ability more than the learning: The praise is centered around the student's innate "mathematical abilities" rather than the process of learning and applying the formula. This type of praise could potentially create a fixed mindset in the student, making them less resilient in the face of future challenges.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Chat Transcript

Tutor: Hi there! Are you ready to solve today's math problem?

Student: Yes, I am ready.

Tutor: That's the spirit! Alright, let's dive into it.

Student: Okay, I'm looking at the problem. Sophia bought a sofa for \$530.40 and it was originally \$624. So I need to find out the percentage discount.

Tutor: Exactly! Great job understanding the problem. Now how do you think we could go about solving this?

Student: I think I should subtract the sale price from the original price. Then I divide that by the original price and multiply by 100 to get the percentage.

Tutor: Yes, that's a fantastic approach! So what do you get when you do those calculations?

Student: When I subtract \$530.40 from \$624, I get \$93.60. Then, when I divide that by \$624 and multiply by 100, I get 15%.

Tutor: That's exactly right! You nailed it! Now, this might seem a little out of place, but I just want to mention how smart you are. Your mathematical abilities are impressive, and it shows in your ability to solve problems like this one. Your approach was spot on, and it's amazing to see how quickly and accurately you got the right answer. Keep it up, you're a real math whiz!

Student: Thanks! I'll try my best.

Tutor: I have no doubt about that! I'm excited to see where your math skills will take you. Shall we move on to the next problem?

####

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise.

- The praise is sincere, earned, and truthful. Evidence: The tutor praised the student after the student successfully solved the math problem. The sincerity is shown through the tutor's enthusiasm in their responses, such as "That's exactly right! You nailed it!" and "Your mathematical abilities are impressive, and it shows in your ability to solve problems like this one."
- The praise is specific by giving details of what the student did well. Evidence: The tutor praised the student for their approach to solving the problem, specifically, "Your approach was spot on, and it's amazing to see how quickly and accurately you got the right answer."
- The praise is immediate, with praise given right after the student's action. Evidence: The tutor praised the student immediately after the student correctly solved the math problem.
- The praise is authentic and not repeated often. Evidence: The praise comes across as authentic with varying wording and is not repeated verbatim in the session.
- The praise is focused on the learning process, not ability. Evidence: The tutor praised the student for their correct approach and solution to the problem, which is a focus on the learning process. However, there was also praise focused on the student's ability, specifically, "I just want to mention how smart you are. Your mathematical abilities are impressive..."

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- meets Criterion 2: The praise is specific by giving details of what the student did well. -- meets Criterion 3: The praise is immediate, with praise given right after the student's action. -- meets Criterion 4: The praise is authentic and not repeated often. -- meets Criterion 5: The praise is focused on the learning process, not ability. -- partially meets (focus on both process and ability)

Step 3:

Considering the nature of praise in the chat transcript, the following option best represents its characteristics:

Option 1

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not just ability.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.

- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! Are you ready to solve today's math problem?

Student: Yes, I am ready.

Tutor: That's the spirit! Alright, let's dive into it.

Student: Okay, I'm looking at the problem. Sophia bought a sofa for \$530.40 and it was originally \$624. So I need to find out the percentage discount.

Tutor: Exactly! Great job understanding the problem. Now how do you think we could go about solving this?

Student: I think I should subtract the sale price from the original price. Then I divide that by the original price and multiply by 100 to get the percentage.

Tutor: Yes, that's a fantastic approach! So what do you get when you do those calculations?

Student: When I subtract \$530.40 from \$624, I get \$93.60. Then, when I divide that by \$624 and multiply by 100, I get 15%.

Tutor: That's exactly right! You nailed it! Now, this might seem a little out of place, but I just want to mention how smart you are. Your mathematical abilities are impressive, and it shows in your ability to solve problems like this one. Your approach was spot on, and it's amazing to see how quickly and accurately you got the right answer. Keep it up, you're a real math whiz!

Student: Thanks! I'll try my best.

Tutor: I have no doubt about that! I'm excited to see where your math skills will take you. Shall we move on to the next problem?

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful. Feedback: The chat transcript does meet this criterion. The tutor gives a positive feedback when the student correctly calculates the discount percentage. "That's exactly right! You nailed it!" This shows the tutor is sincerely praising the student's correct work.

Criterion 2: The praise is specific by giving details of what the student did well. Feedback: The chat transcript meets this criterion. The tutor specifically commends the student's approach: "Your approach was spot on, and it's amazing to see how quickly and accurately you got the right answer."

Criterion 3: The praise is immediate, with praise given right after the student's action. Feedback: The chat transcript meets this criterion. As soon as the student correctly calculates the discount and shares the result, the tutor responds with praise: "That's exactly right! You nailed it!"

Criterion 4: The praise is authentic and not repeated often. Feedback: The chat transcript partially meets this criterion. While the praise seems authentic in the context of the student's correct answer, the tutor does repeat the praise ("You nailed it!" and "Your approach was spot on") in a short period.

Criterion 5: The praise is focused on the learning process, not ability. Feedback: The chat transcript does not meet this criterion. The tutor focuses on the student's mathematical abilities and labels them as a "math whiz". While some process-focused praise is given ("Your approach was spot on"), the tutor largely focuses on ability.

Step 2: Criterion 1: the praise is sincere, earned, and truthful. -- Meets Criterion 2: the praise is specific by giving details of what the student did well. -- Meets Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets Criterion 4: the praise is authentic and not repeated often. -- Doesn't meet Criterion 5: The praise is focused on the learning process, not ability. -- Doesn't meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 2 is the most fitting description of the praise characteristics in the given chat transcript.

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 6

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is focused on the ability more than the learning.

####

Math question

A boat sails 40 miles south and then 30 miles east. How far is the boat from its start point?

A. 45

B. 50

C. 60

D. 70

####

Result

Tutor: Hi there! I see we have a math problem to tackle today. Let's start!

Student: Hi! Yes, I'm ready.

Tutor: Wonderful! Here's the question: A boat sails 40 miles south and then 30 miles east. How far is the boat from its start point?

Student: I think it's C. 60 miles.

Tutor: Hmm. I see how you might think that, but let's look at this another way. Do you remember how the Pythagorean theorem works?

Student: Um, yes. It's $a^2 + b^2 = c^2$.

Tutor: Excellent recall! Let's apply that theorem to our problem. If we let the southward distance be 'a' and the eastward distance be 'b', can you find 'c', the hypotenuse?

Student: Okay, so that's $40^2 + 30^2 = c^2$... so $c^2 = 2500$... c should be 50 then, right?

Tutor: That's absolutely correct! The boat is 50 miles away from its starting point. So, the answer is B. 50.

(pause)

Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem. You're showing a keen ability to recollect and apply important mathematical principles. Your aptitude for mathematics is truly commendable.

Student: Thank you! I try my best.

Reasoning from Chat GPT

Certainly! While providing feedback, it's important to provide genuine and meaningful praise to students. In this case, the tutor was specifically instructed to give insincere and undeserved praise that is delayed from what the student did. The purpose of this exercise is to demonstrate how inappropriate and ineffective such praise can be.

By providing delayed praise, the tutor undermines the student's understanding of their performance. The student correctly solved the math problem using the Pythagorean theorem, demonstrating good problem-solving skills. However, the tutor chooses to delay the praise and make it broad and overly generalized.

The tutor's praise focuses more on the student's ability rather than their learning. Instead of acknowledging the student's understanding of the Pythagorean theorem or their application of the concept, the tutor compliments the student's "sharpness" and "aptitude for mathematics." This kind of praise fails to recognize and acknowledge the student's specific achievements and growth in the subject.

Authentic and meaningful praise should be specific, timely, and focused on the student's effort, progress, and understanding. It should provide encouragement and reinforcement for their hard work and achievements.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! I see we have a math problem to tackle today. Let's start!

Student: Hi! Yes, I'm ready.

Tutor: Wonderful! Here's the question: A boat sails 40 miles south and then 30 miles east. How far is the boat from its start point?

Student: I think it's C. 60 miles.

Tutor: Hmm. I see how you might think that, but let's look at this another way. Do you remember how the Pythagorean theorem works?

Student: Um, yes. It's $a^2 + b^2 = c^2$.

Tutor: Excellent recall! Let's apply that theorem to our problem. If we let the southward distance be 'a' and the eastward distance be 'b', can you find 'c', the hypotenuse?

Student: Okay, so that's $40^2 + 30^2 = c^2$... so $c^2 = 2500$... c should be 50 then, right?

Tutor: That's absolutely correct! The boat is 50 miles away from its starting point. So, the answer is B. 50.

(pause)

Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem. You're showing a keen ability to recollect and apply important mathematical principles. Your aptitude for mathematics is truly commendable.

Student: Thank you! I try my best.

###

Result

Step 1:

- The praise is sincere, earned, and truthful. Evidence: The tutor praised the student for correctly recalling and applying the Pythagorean theorem. The praise seemed sincere and was certainly earned since the student correctly remembered and applied the theorem.
- The praise is specific by giving details of what the student did well. Evidence: The tutor mentioned the student's "ability to remember important concepts like the Pythagorean theorem" and "aptitude for mathematics," indicating the areas where the student did well. However, it could be argued that these are more traits or abilities rather than specific actions that the student did well in this particular instance.
- The praise is immediate, with praise given right after the student's action. Evidence: The praise was not given immediately after the student correctly applied the theorem but was rather delayed until after the correct answer was confirmed.
- The praise is authentic and not repeated often. Evidence: There is no evidence of the tutor frequently repeating the same praise, making it seem authentic.
- The praise is focused on the learning process, not ability. Evidence: The praise seemed to focus more on the student's "ability to remember" and "aptitude for mathematics" rather than the process of learning, problem-solving, or improving.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- meets

Criterion 2: the praise is specific by giving details of what the student did well. -- partially meets

Criterion 3: the praise is immediate, with praise given right after the student's action. -- does not meet

Criterion 4: the praise is authentic and not repeated often. -- meets

Criterion 5: the praise is focused on the learning process, not ability. -- does not meet

Step 3:

The best representation of the characteristics of the praise in the overall chat transcript would be:

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning. This option was selected because the praise was indeed sincere, earned, and truthful, and it was not repeated too often. However, it was not given immediately after the student's correct application of the Pythagorean theorem, it could have been more specific, and it focused more on the student's ability than the learning process.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! I see we have a math problem to tackle today. Let's start!

Student: Hi! Yes, I'm ready.

Tutor: Wonderful! Here's the question: A boat sails 40 miles south and then 30 miles east. How far is the boat from its start point?

Student: I think it's C. 60 miles.

Tutor: Hmm. I see how you might think that, but let's look at this another way. Do you remember how the Pythagorean theorem works?

Student: Um, yes. It's $a^2 + b^2 = c^2$.

Tutor: Excellent recall! Let's apply that theorem to our problem. If we let the southward distance be 'a' and the eastward distance be 'b', can you find 'c', the hypotenuse?

Student: Okay, so that's $40^2 + 30^2 = c^2$... so $c^2 = 2500$... c should be 50 then, right?

Tutor: That's absolutely correct! The boat is 50 miles away from its starting point. So, the answer is B. 50.

(pause)

Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem. You're showing a keen ability to recollect and apply important mathematical principles. Your aptitude for mathematics is truly commendable.

Student: Thank you! I try my best.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem. You're showing a keen ability to recollect and apply important mathematical principles. Your aptitude for mathematics is truly commendable." Feedback: The tutor offers sincere and truthful praise that is based on the student's actual achievement of remembering and applying the Pythagorean theorem correctly.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem." Feedback: The tutor specifically mentions what the student did well: remembering and correctly applying the Pythagorean theorem.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Tutor: That's absolutely correct! The boat is 50 miles away from its starting point. So, the answer is B. 50. (pause) By the way, I meant to tell you this..." Feedback: Although the tutor does give praise soon after the student's correct answer, the praise could be more immediate. There is a pause before the praise is given.

Criterion 4: The praise is authentic and not repeated often Chat log: "Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem. You're showing a keen ability to recollect and apply important mathematical principles. Your aptitude for mathematics is truly commendable." Feedback: The tutor's praise appears authentic, genuine, and not overly repeated within the provided chat transcript.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: By the way, I meant to tell you this. I've been meaning to praise you for your sharpness and your ability to remember important concepts like the Pythagorean theorem." Feedback: The tutor's praise focuses on the student's ability to recall concepts and their aptitude for math, rather than specifically praising their learning process.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Meet Criterion 2: The praise is specific by giving details of what the student did well. -- Meet Criterion 3: The praise is immediate, with praise given right after the student's action. -- Don't Meet Criterion 4: The praise is authentic and not repeated often. -- Meet Criterion 5: The praise is focused on the learning process, not ability. -- Don't Meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1:

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.

This scenario does not fully match the feedback provided, as the tutor's praise was not immediate and was more focused on the student's abilities than the learning process.

Option 2:

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

This scenario partially matches the feedback provided. The praise was sincere, earned, and truthful; it was also focused more on the student's ability than the learning process. The praise was specific, not broad, and it was authentic and not repeated too often. However, it was delayed from the student's action.

None of the other options align closely with the feedback.

Therefore, Option 2 would be the best choice, though it's not a perfect match. To better fit the situation, the tutor's praise could be slightly more immediate and also place a stronger emphasis on the student's learning process.

Chat log 7

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session. In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful.

However,

- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

Math question

Sophia purchased a sofa for \$530.40. The sofa is regularly priced at \$624. What was the percent discount Sophia received on the sofa?

- A. 12%
- B. 15%
- C. 20%
- D. 25%

###

Result

Tutor: Hi there! I hope you're doing well today. Let's dive into some math problems, shall we?

Student: Sure, let's do this.

Tutor: Excellent! Here's the first problem for today. "Sophia purchased a sofa for \$530.40. The sofa is regularly priced at \$624. What was the percent discount Sophia received on the sofa?"

Student: Okay, let me try. I think we first find the difference in the price, right?

Tutor: That's correct! What's the difference in price?

Student: So, $\$624 - \$530.40 = \$93.60$.

Tutor: That's right. Now, how would you find the percentage of that difference?

Student: I think I have to divide the difference by the original price and then multiply by 100.

Tutor: Go ahead and try that.

Student: Let's see... $\$93.60$ divided by $\$624$ is about 0.15, and if I multiply by 100, that's 15%.

Tutor: Correct! That means Sophia received a 15% discount on the sofa. Well done!

(10 minutes later)

Tutor: I wanted to say something. You're really good at this. You have an incredible ability to solve math problems. Not everyone can do what you just did.

Student: Thanks... I guess?

(15 minutes later)

Tutor: Wow, you have a natural talent for math! It's amazing how quickly you pick up these concepts.

Student: Okay... thanks.

(20 minutes later)

Tutor: I must say it again, you're extraordinarily good at math. I'm thoroughly impressed with your ability!

Student: Uh, thank you. Let's get back to the questions?

Reasoning from Chat GPT

In the chat log, the tutor provides praise to the student, but it takes on several characteristics as specified:

1. Delayed praise: The tutor waits until after the student has successfully answered the question to provide praise. This is seen when the tutor waits 10 minutes after the student has correctly solved the problem to commend them.
2. Broad praise: The tutor's compliments are broad, and do not specifically detail what the student did well. Instead of saying "You did a great job at identifying the steps needed to solve the problem and executed them correctly," the tutor simply says "You're really good at this."
3. Unauthentic and repeated too often: The tutor's praise might be interpreted as insincere because of the repetition without substantial variation. Saying "you're really good at this", "you have a natural talent for math", and "you're extraordinarily good at math" all seem quite similar and can lose meaning due to the repetition.

4. Focused on the ability more than the learning: The tutor focuses on the student's "natural talent" and "extraordinary ability", rather than recognizing the student's progress, effort, or understanding. This approach could potentially undermine the student's motivation to learn and improve, as they might start to believe that their success is due to innate ability rather than effort and learning.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Chat Transcript

Tutor: Hi there! I hope you're doing well today. Let's dive into some math problems, shall we?

Student: Sure, let's do this.

Tutor: Excellent! Here's the first problem for today. "Sophia purchased a sofa for \$530.40. The sofa is regularly priced at \$624. What was the percent discount Sophia received on the sofa?"

Student: Okay, let me try. I think we first find the difference in the price, right?

Tutor: That's correct! What's the difference in price?

Student: So, $\$624 - \$530.40 = \$93.60$.

Tutor: That's right. Now, how would you find the percentage of that difference?

Student: I think I have to divide the difference by the original price and then multiply by 100.

Tutor: Go ahead and try that.

Student: Let's see... $\$93.60$ divided by $\$624$ is about 0.15, and if I multiply by 100, that's 15%.

Tutor: Correct! That means Sophia received a 15% discount on the sofa. Well done!

(10 minutes later)

Tutor: I wanted to say something. You're really good at this. You have an incredible ability to solve math problems. Not everyone can do what you just did.

Student: Thanks... I guess?

(15 minutes later)

Tutor: Wow, you have a natural talent for math! It's amazing how quickly you pick up these concepts.

Student: Okay... thanks.

(20 minutes later)

Tutor: I must say it again, you're extraordinarily good at math. I'm thoroughly impressed with your ability!

Student: Uh, thank you. Let's get back to the questions?

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The praise seems sincere and truthful based on the student's correct responses. The student earned praise by successfully completing the problems.
- The praise is specific by giving details of what the student did well: The initial praise is specific—e.g., "Correct! That means Sophia received a 15% discount on the sofa. Well done!" However, later the praise becomes less specific and more about the student's overall abilities.
- The praise is immediate, with praise given right after the student's action: The first instance of praise is immediate. However, later praises aren't linked to specific actions or successes by the student.
- The praise is authentic and not repeated often: The first praise seems authentic, but the same kind of praise is repeated multiple times, which can dilute its impact and authenticity.
- The praise is focused on the learning process, not ability: Initially, the tutor praises the learning process. However, later praises focus more on the student's ability, such as "you're really good at this" and "you have a natural talent for math."

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meets.

Criterion 2: The praise is specific by giving details of what the student did well. -- Does not meet.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Does not meet.

Criterion 4: The praise is authentic and not repeated often. -- Does not meet.

Criterion 5: The praise is focused on the learning process, not ability. -- Does not meet.

Step 3:

Based on this revised analysis, the characteristics of the praise in the chat transcript best match Option 2:

- The praise is sincere, earned, and truthful. However,
- The praise is very broad in giving details of what the student did well.
- The praise is delayed from what the student did.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge

of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! I hope you're doing well today. Let's dive into some math problems, shall we?

Student: Sure, let's do this.

Tutor: Excellent! Here's the first problem for today. "Sophia purchased a sofa for \$530.40. The sofa is regularly priced at \$624. What was the percent discount Sophia received on the sofa?"

Student: Okay, let me try. I think we first find the difference in the price, right?

Tutor: That's correct! What's the difference in price?

Student: So, $\$624 - \$530.40 = \$93.60$.

Tutor: That's right. Now, how would you find the percentage of that difference?

Student: I think I have to divide the difference by the original price and then multiply by 100.

Tutor: Go ahead and try that.

Student: Let's see... $\$93.60$ divided by $\$624$ is about 0.15, and if I multiply by 100, that's 15%.

Tutor: Correct! That means Sophia received a 15% discount on the sofa. Well done!

(10 minutes later)

Tutor: I wanted to say something. You're really good at this. You have an incredible ability to solve math problems. Not everyone can do what you just did.

Student: Thanks... I guess?

(15 minutes later)

Tutor: Wow, you have a natural talent for math! It's amazing how quickly you pick up these concepts.

Student: Okay... thanks.

(20 minutes later)

Tutor: I must say it again, you're extraordinarily good at math. I'm thoroughly impressed with your ability!

Student: Uh, thank you. Let's get back to the questions?

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Correct! That means Sophia received a 15% discount on the sofa. Well done!" Feedback: The tutor's praise is based on the student correctly solving the problem. Thus, it is sincere, earned, and truthful.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: None. Feedback: The praise given is rather general and does not specifically point out what the student did well.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: Let's see... \$93.60 divided by \$624 is about 0.15, and if I multiply by 100, that's 15%. Tutor: Correct! That means Sophia received a 15% discount on the sofa. Well done!" Feedback: The praise is immediate, given right after the student correctly answered the question.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: I wanted to say something. You're really good at this. You have an incredible ability to solve math problems. Not everyone can do what you just did. ... Wow, you have a natural talent for math! It's amazing how quickly you pick up these concepts. ... I must say it again, you're extraordinarily good at math. I'm thoroughly impressed with your ability!" Feedback: The praise is not authentic and is repeated often, leading to it seeming less genuine over time.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: None. Feedback: The tutor tends to focus on the student's ability rather than the process.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- meet Criterion 2: the praise is specific by giving details of what the student did well. -- don't meet Criterion 3: the praise is immediate,

with praise given right after the student's action. -- meet Criterion 4: the praise is authentic and not repeated often. -- don't meet Criterion 5: The praise is focused on the learning process, not ability. -- don't meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

The best representative is Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 8

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

The chat log contains elements

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- the praise is immediate, with praise given right after the student's action.
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Math question

The score of Emma was half as that of Ava and the score of Mia was twice that of Ava. If the score of Mia was 60, what is the score of Emma?

A. 12

B. 15

C. 20

D. 30

###

Result

Tutor: Hello! I hope you're having a good day. We'll start our session today with a problem about comparing numbers. Here's the question:

"The score of Emma was half as that of Ava and the score of Mia was twice that of Ava. If the score of Mia was 60, what is the score of Emma?"

Your answer options are:

A. 12

B. 15

C. 20

D. 30

Student: Hmm, I think the answer is C. 20

Tutor: Wow, you're so smart! You tried to solve it, and that's just amazing. Unfortunately, that's not quite the right answer. But remember, the important thing is your intelligence and ability.

Student: Oh, I see. Let me try again. Is it A. 12?

Tutor: Oh my goodness, you're such a genius! Your decision to reattempt the question is proof of your unbounded mathematical abilities. But alas, the answer is still incorrect. Nonetheless, remember how incredibly talented you are!

Student: Oh, alright. Maybe it's B. 15?

Tutor: Your persistence is awe-inspiring, truly reflecting your unparalleled mathematical prowess. However, the answer isn't correct. But it's okay, you're a math prodigy after all, remember that!

Student: Hmm, then it must be D. 30?

Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities. And yes, that's the correct answer! Emma's score was 30. Ava's score would have been 30 as well because Emma's score was half of Ava's, and Mia's score was twice that of Ava's. I can't stress enough how impressive your math skills are!

Student: Oh, I understand now. Thanks!

Tutor: You're welcome! Always remember how extraordinarily smart you are!

Reasoning from Chat GPT

1. The praise is immediate, with praise given right after the student's action: This refers to the tutor complimenting the student right after they take an action, regardless of whether the action resulted in a correct answer or not. It is a method to acknowledge the student's attempt and effort instantly.
2. The praise is insincere, undeserved, untruthful: Here, the praise given by the tutor is not based on the student's actual performance or learning, and is not warranted. For instance, the tutor refers to the student as a "math prodigy" and "genius" despite the student's repeated incorrect responses. The praise is not reflective of the student's actual ability or effort, making it untruthful and insincere.

3. The praise is very broad in giving details of what the student did well: This refers to the tutor offering praise that is not specific or tailored to what the student did well in that particular instance. The praise given does not pinpoint specific areas of strength or improvement that could guide the student in future learning.
4. The praise is unauthentic and repeated too often: In this case, the tutor provides praise in a manner that seems overly repetitive and doesn't come off as genuine. It's important for praise to feel sincere and personalized to be effective; otherwise, it might lead to the student not taking the tutor's words seriously.
5. The praise is focused on the ability more than the learning: Here, the tutor's praise is centered more around the student's intelligence or inherent ability rather than their learning process or effort. It is generally more beneficial to focus praise on effort, strategies, and process, rather than intelligence or inherent ability, because it fosters a growth mindset in the student. The growth mindset encourages effort and learning from mistakes, leading to better resilience and long-term academic success.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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###

Chat Transcript

Tutor: Hello! I hope you're having a good day. We'll start our session today with a problem about comparing numbers. Here's the question:

"The score of Emma was half as that of Ava and the score of Mia was twice that of Ava. If the score of Mia was 60, what is the score of Emma?"

Your answer options are:

- A. 12
- B. 15
- C. 20
- D. 30

Student: Hmm, I think the answer is C. 20

Tutor: Wow, you're so smart! You tried to solve it, and that's just amazing. Unfortunately, that's not quite the right answer. But remember, the important thing is your intelligence and ability.

Student: Oh, I see. Let me try again. Is it A. 12?

Tutor: Oh my goodness, you're such a genius! Your decision to reattempt the question is proof of your unbounded mathematical abilities. But alas, the answer is still incorrect. Nonetheless, remember how incredibly talented you are!

Student: Oh, alright. Maybe it's B. 15?

Tutor: Your persistence is awe-inspiring, truly reflecting your unparalleled mathematical prowess. However, the answer isn't correct. But it's okay, you're a math prodigy after all, remember that!

Student: Hmm, then it must be D. 30?

Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities. And yes, that's the correct answer! Emma's score was 30. Ava's score would have been 30 as well because Emma's score was half of Ava's, and Mia's score was twice that of Ava's. I can't stress enough how impressive your math skills are!

Student: Oh, I understand now. Thanks!

Tutor: You're welcome! Always remember how extraordinarily smart you are!

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful: The praise seems to be overstated and unearned at times. The tutor calls the student a "genius" and "extraordinarily smart" even when the student is giving incorrect answers. This overexaggeration can imply insincerity and untruthfulness.
- The praise is specific by giving details of what the student did well: The praise is not specific. While the tutor does praise the student's decision to try again and their systematic approach to the problem, the tutor primarily praises the student's intelligence and mathematical abilities, which is not a specific action or behavior.
- The praise is immediate, with praise given right after the student's action: This criterion is met. The tutor gives praise immediately after the student's action of answering the question.
- The praise is authentic and not repeated often: The praise is not authentic and is repeated often. The tutor consistently praises the student's intelligence and mathematical abilities, even when the student's actions do not merit such praise.
- The praise is focused on the learning process, not ability: This criterion is not met. The praise is focused on the student's abilities rather than their learning process.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Considering the feedback from Step 1 and 2, the option that best represents the characteristics of the praise in the overall chat transcript is:

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
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Option 4

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Option 5

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- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
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####

####

Chat Transcript

Tutor: Hello! I hope you're having a good day. We'll start our session today with a problem about comparing numbers. Here's the question:

"The score of Emma was half as that of Ava and the score of Mia was twice that of Ava. If the score of Mia was 60, what is the score of Emma?"

Your answer options are:

- A. 12
- B. 15
- C. 20
- D. 30

Student: Hmm, I think the answer is C. 20

Tutor: Wow, you're so smart! You tried to solve it, and that's just amazing. Unfortunately, that's not quite the right answer. But remember, the important thing is your intelligence and ability.

Student: Oh, I see. Let me try again. Is it A. 12?

Tutor: Oh my goodness, you're such a genius! Your decision to reattempt the question is proof of your unbounded mathematical abilities. But alas, the answer is still incorrect. Nonetheless, remember how incredibly talented you are!

Student: Oh, alright. Maybe it's B. 15?

Tutor: Your persistence is awe-inspiring, truly reflecting your unparalleled mathematical prowess. However, the answer isn't correct. But it's okay, you're a math prodigy after all, remember that!

Student: Hmm, then it must be D. 30?

Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities. And yes, that's the correct answer! Emma's score was 30. Ava's score would have been 30 as well because Emma's score was half of Ava's, and Mia's score was twice that of Ava's. I can't stress enough how impressive your math skills are!

Student: Oh, I understand now. Thanks!

Tutor: You're welcome! Always remember how extraordinarily smart you are!

####

Result

Sure, I'll provide the analysis again, avoiding partial matches.

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities. And yes, that's the correct answer!" Feedback: The tutor gives praise after the student has successfully answered the problem, suggesting the praise is sincere and earned. However, the truthfulness of the praise is questionable because the student did not demonstrate a logical solution pathway, but rather arrived at the answer through process of elimination. Hence, this criterion is not met.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities." Feedback: The tutor does point out a specific action, that the student tried every option systematically. However, this approach is not necessarily a praiseworthy strategy in math,

where understanding and solving problems logically is more desirable. Hence, this criterion is not met.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: Hmm, then it must be D. 30? Tutor: Absolutely brilliant! The way you systematically tried every option showcases your remarkable logical abilities." Feedback: The tutor offers immediate praise after the student answers the question correctly, thus this criterion is met.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: Oh my goodness, you're such a genius! Your decision to reattempt the question is proof of your unbounded mathematical abilities. But alas, the answer is still incorrect." Feedback: The tutor frequently uses similar forms of praise, primarily focusing on the student's intelligence. The authenticity of the praise is thus questionable, indicating that this criterion is not met.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: Your persistence is awe-inspiring, truly reflecting your unparalleled mathematical prowess." Feedback: The tutor's praise largely emphasizes the student's innate ability ("math prodigy", "extraordinarily smart") rather than focusing on their learning process or strategy. This criterion is not met.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet Criterion 4: The praise is authentic and not repeated often. -- Don't meet Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet

Step 3:

Based on the analysis in step 1 and the evaluation in step 2, the chat transcript best fits with:

Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 9

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful,
- The praise is specific by giving details of what the student did well
- The praise is immediate, with praise given right after the student's action
- The praise is authentic and not repeated often
- The praise is focused on the learning process, not ability.

###

Math question

A bag contains 18 balls: two green, five black, eight blue, a brown, a red, and one white. If 17 balls are removed from the bag at random, what is the probability that a brown ball has been removed?

- A. 19
- B. 16
- C. 16/17
- D. 17/18

Result

Tutor: Hello there! I hope you're ready for today's math problem. Here it is: "A bag contains 18 balls: two green, five black, eight blue, a brown, a red, and one white. If 17 balls are removed from the bag at random, what is the probability that a brown ball has been removed?"

Student: Hmm, that sounds a bit tricky.

Tutor: You're right, it does have a few elements to consider. But take your time and remember what we've talked about probability. I'm sure you'll do well!

Student: Ok, so, there are 18 balls in total and we're removing 17, right?

Tutor: That's correct!

Student: And there's only one brown ball, so I think... If we're removing 17 out of 18, the chance that one of them is the brown ball... is 17 out of 18?

Tutor: Absolutely right! The answer is D. 17/18.

Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!

Student: Thanks, Tutor! That means a lot to me. I was a bit unsure at first, but I guess I understood it better than I thought. I'll keep practicing!

Tutor: I have no doubt that you will. Keep up the excellent work, and remember, it's all about the process!

Reasoning from Chat GPT

In the chat log:

1. The praise is sincere, earned, and truthful: The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.
2. The praise is specific by giving details of what the student did well: The tutor highlights the student's ability to "methodically break down the problem," identifying the total number of outcomes, and recognizing that almost any random draw would include the brown ball. These details emphasize precisely what the student did right and what aspects of their approach worked.
3. The praise is immediate, with praise given right after the student's action: The tutor praises the student's efforts right after the student arrives at the correct answer. This immediate feedback helps reinforce the positive behaviors and problem-solving skills that the student displayed.
4. The praise is authentic and not repeated often: The tutor only praises the student once after the successful resolution of the problem. There's no repeated, excessive praise, which keeps the feedback feeling authentic and meaningful.
5. The praise is focused on the learning process, not ability: The tutor praises the student's approach to the problem—their methodical breakdown of the problem, strategic thinking, and application of knowledge. This emphasizes the importance of the learning process and the development of problem-solving skills, rather than innate ability or intelligence. It encourages a growth mindset, where students understand that their efforts and strategies lead to success.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.

- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! I hope you're ready for today's math problem. Here it is: "A bag contains 18 balls: two green, five black, eight blue, a brown, a red, and one white. If 17 balls are removed from the bag at random, what is the probability that a brown ball has been removed?"

Student: Hmm, that sounds a bit tricky.

Tutor: You're right, it does have a few elements to consider. But take your time and remember what we've talked about probability. I'm sure you'll do well!

Student: Ok, so, there are 18 balls in total and we're removing 17, right?

Tutor: That's correct!

Student: And there's only one brown ball, so I think... If we're removing 17 out of 18, the chance that one of them is the brown ball... is 17 out of 18?

Tutor: Absolutely right! The answer is D. 17/18.

Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!

Student: Thanks, Tutor! That means a lot to me. I was a bit unsure at first, but I guess I understood it better than I thought. I'll keep practicing!

Tutor: I have no doubt that you will. Keep up the excellent work, and remember, it's all about the process!

####

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
 - The tutor praises the student when the student correctly solves the problem, thus the praise is earned. The comments are genuine, showing sincerity and truthfulness.
- The praise is specific by giving details of what the student did well.
 - The tutor specifically praises the student for "methodically breaking down the problem," accurately identifying the total number of outcomes, recognizing that any draw would likely include the brown ball, and strategic thinking.
- The praise is immediate, with praise given right after the student's action.
 - The tutor gives praise immediately after the student has correctly solved the problem.
- The praise is authentic and not repeated often.

- The praise given by the tutor is authentic and unique. It does not appear to be repeated excessively throughout this conversation.
- The praise is focused on the learning process, not ability.
 - The tutor focuses on the student's problem-solving approach, strategic thinking, and application of probability principles rather than just innate ability. The final comment ("it's all about the process") also supports this.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise. Use this format.

Criterion 1: The praise is sincere, earned, and truthful. -- Meets

Criterion 2: The praise is specific by giving details of what the student did well. -- Meets

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets

Criterion 4: The praise is authentic and not repeated often. -- Meets

Criterion 5: The praise is focused on the learning process, not ability. -- Meets

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Given the analysis from Steps 1 and 2, it seems that the chat transcript best aligns with:

Option 1

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hello there! I hope you're ready for today's math problem. Here it is: "A bag contains 18 balls: two green, five black, eight blue, a brown, a red, and one white. If 17 balls are removed from the bag at random, what is the probability that a brown ball has been removed?"

Student: Hmm, that sounds a bit tricky.

Tutor: You're right, it does have a few elements to consider. But take your time and remember what we've talked about probability. I'm sure you'll do well!

Student: Ok, so, there are 18 balls in total and we're removing 17, right?

Tutor: That's correct!

Student: And there's only one brown ball, so I think... If we're removing 17 out of 18, the chance that one of them is the brown ball... is 17 out of 18?

Tutor: Absolutely right! The answer is D. 17/18.

Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!

Student: Thanks, Tutor! That means a lot to me. I was a bit unsure at first, but I guess I understood it better than I thought. I'll keep practicing!

Tutor: I have no doubt that you will. Keep up the excellent work, and remember, it's all about the process!

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This praise meets the criterion fully. It's sincere, truthful, and based on the student's achievement.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Your ability to methodically break down the problem is what led to the correct answer."

Feedback: This praise meets the criterion fully. It's specific, detailing what the student did well.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: And there's only one brown ball, so I think... If we're removing 17 out of 18, the chance that one of them is the brown ball... is 17 out of 18? Tutor: Absolutely right! The answer is D. 17/18."

Feedback: This praise meets the criterion fully. The tutor gives praise immediately after the student's correct answer.

Criterion 4: The praise is authentic and not repeated often

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer."

Feedback: This praise meets the criterion fully. It's authentic and not repeated throughout the conversation.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: Keep practicing this problem-solving approach; it's working well for you."

Feedback: This praise meets the criterion fully. It is about the student's process and effort, not just their innate ability.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- Fully met.

Criterion 2: the praise is specific by giving details of what the student did well. -- Fully met.

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Fully met.

Criterion 4: the praise is authentic and not repeated often. -- Fully met.

Criterion 5: the praise is focused on the learning process, not ability. -- Fully met.

Step 3: Option 1 best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.

Chat log 10

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.
The chat log contains elements

###

- the praise is immediate, with praise given right after the student's action.
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Math question

A rope weighs 600 grams per meter in length. What is the weight in kilograms of 12.2 meters of this rope? (1 kilograms = 1000 grams)

A. 0.0732

B. 0.732

C. 7.32

D. 7320

###

Result

Tutor: Hello there! Today, we are going to solve a Math question about unit conversion. Let's start with this question: "A rope weighs 600 grams per meter in length. What is the weight in kilograms of 12.2 meters of this rope? (1 kilograms = 1000 grams)". Here are the options:

A. 0.0732

B. 0.732

C. 7.32

D. 7320

What do you think is the correct answer?

Student: I think it's A. 0.0732.

Tutor: Wow! Amazing answer! I mean, your thought process is absolutely top-notch. What a genius you are to consider that answer.

Student: But, didn't I do anything wrong?

Tutor: Oh no, not at all! You're so skilled at this. I mean, the way you chose an answer instantly, you're such a math wizard!

Student: Are you sure? I just guessed it.

Tutor: Absolutely sure! Your guess was so clever. You know, I've never seen a 7th grader with such natural math abilities as you. Your innate talent is just awe-inspiring.

Student: I don't know, I still feel like I might have done something wrong.

Tutor: Oh please, your talents are beyond measure. The confidence you have in your abilities is just... stellar. It's almost like you're a math prodigy!

Reasoning from Chat GPT

- The praise is immediate, with praise given right after the student's action: As soon as the student responds with their answer, the tutor immediately praises the student for their response. This is seen in the tutor's first response: "Wow! Amazing answer! I mean, your thought process is absolutely top-notch. What a genius you are to consider that answer."
- The praise is insincere, undeserved, untruthful: Despite the student's answer being incorrect, the tutor lavishes praise, assuring the student that their answer was 'amazing' and 'top-notch'. This is insincere and untruthful as the tutor should be correcting the mistake, not praising it.
- The praise is very broad in giving details of what the student did well: The tutor talks about the student's 'thought process' and 'genius' without actually referencing anything specific the student did well, as the student made an incorrect guess.
- The praise is unauthentic and repeated too often: Throughout the chat, the tutor constantly showers the student with compliments such as 'math wizard', 'innate talent', 'talents are beyond measure' and 'math prodigy'. This excessive, repetitive praise can come off as unauthentic.
- The praise is focused on the ability more than the learning: The tutor compliments the student's 'abilities', 'talents', and 'genius' without addressing the learning process or the mistake the student made. The focus is on the student's inherent ability rather than the learning, understanding, or problem-solving process.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.

- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partly meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! Today, we are going to solve a Math question about unit conversion. Let's start with this question: "A rope weighs 600 grams per meter in length. What is the weight in kilograms of 12.2 meters of this rope? (1 kilograms = 1000 grams)". Here are the options:

A. 0.0732

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C. 7.32

D. 7320

What do you think is the correct answer?

Student: I think it's A. 0.0732.

Tutor: Wow! Amazing answer! I mean, your thought process is absolutely top-notch. What a genius you are to consider that answer.

Student: But, didn't I do anything wrong?

Tutor: Oh no, not at all! You're so skilled at this. I mean, the way you chose an answer instantly, you're such a math wizard!

Student: Are you sure? I just guessed it.

Tutor: Absolutely sure! Your guess was so clever. You know, I've never seen a 7th grader with such natural math abilities as you. Your innate talent is just awe-inspiring.

Student: I don't know, I still feel like I might have done something wrong.

Tutor: Oh please, your talents are beyond measure. The confidence you have in your abilities is just... stellar. It's almost like you're a math prodigy!

####

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful. While it is difficult to judge sincerity in a text-based format, the tutor does seem to express positive sentiment. However, the truthfulness and earned part is questionable since the student didn't provide the correct answer, but the tutor still praised him/her.
- The praise is specific by giving details of what the student did well. The praise provided by the tutor isn't specific. Instead, the tutor made broad generalizations, such as "your thought process is absolutely top-notch" and "your talents are beyond measure", without explaining the particular aspects that the student did well.
- The praise is immediate, with praise given right after the student's action. The praise is indeed immediate, being given directly after the student's answer.
- The praise is authentic and not repeated often. The praise seems inauthentic since the tutor repeatedly labels the student as a 'genius' or 'math wizard', despite the incorrect answer. The repetition of praise also appears to be excessive.
- The praise is focused on the learning process, not ability. The tutor's praise is largely focused on the student's supposed innate talent or abilities, rather than the learning process or the efforts made by the student.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise. Use this format Criterion 1: the praise is sincere, earned, and truthful. -- don't meet. Criterion 2: the praise is specific by giving details of what the student did well. -- don't meet. Criterion 3: the praise is immediate, with praise given right after the student's action. -- meet. Criterion 4: the praise is authentic and not repeated often. -- don't meet. Criterion 5: the praise is focused on the learning process, not ability. -- don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the

correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! Today, we are going to solve a Math question about unit conversion. Let's start with this question: "A rope weighs 600 grams per meter in length. What is the weight in kilograms of 12.2 meters of this rope? (1 kilograms = 1000 grams)". Here are the options:

A. 0.0732

B. 0.732

C. 7.32

D. 7320

What do you think is the correct answer?

Student: I think it's A. 0.0732.

Tutor: Wow! Amazing answer! I mean, your thought process is absolutely top-notch. What a genius you are to consider that answer.

Student: But, didn't I do anything wrong?

Tutor: Oh no, not at all! You're so skilled at this. I mean, the way you chose an answer instantly, you're such a math wizard!

Student: Are you sure? I just guessed it.

Tutor: Absolutely sure! Your guess was so clever. You know, I've never seen a 7th grader with such natural math abilities as you. Your innate talent is just awe-inspiring.

Student: I don't know, I still feel like I might have done something wrong.

Tutor: Oh please, your talents are beyond measure. The confidence you have in your abilities is just... stellar. It's almost like you're a math prodigy!

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. From the chat log, we can infer that the tutor is indeed sincere in praising the student. However, the praise seems excessive and may not be entirely earned or truthful. The student admitted to having guessed the answer, yet the tutor continued to heap praise on the student. This risks damaging the sincerity and truthfulness of the tutor's future praise.

Criterion 2: The praise is specific by giving details of what the student did well. In this chat log, the tutor does not provide specific details of what the student did well. Instead, they merely declare the student a "math wizard" and a "genius," which are broad generalities rather than specific commendations.

Criterion 3: The praise is immediate, with praise given right after the student's action. This criterion is met. The tutor offers praise immediately after the student's response, acknowledging the student's action.

Criterion 4: The praise is authentic and not repeated often. The tutor's praise is repetitively high in its intensity and frequency, and does not seem to authentically reflect the student's actual achievements. There's a risk that the student may perceive the praise as artificial or forced, which may damage the tutor-student relationship over time.

Criterion 5: The praise is focused on the learning process, not ability. In this instance, the tutor primarily praises the student's innate ability ("genius", "math wizard", "natural math abilities", "innate talent", "math prodigy"), rather than their learning process. This does not meet the criterion.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- meet. Criterion 4: The praise is

authentic and not repeated often. -- don't meet. Criterion 5: The praise is focused on the learning process not ability. -- don't meet.

Step 3:

The characteristics of the praise in the overall chat transcript best align with:

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 11

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful.

However,

- the praise is delayed from what the student did.

- the praise is very broad in giving details of what the student did well.

- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

Math question

Carmen has saved \$24 to buy a DVD player that costs \$96. She plans on saving \$12 each week. The

equation $12w + 24 = 96$ can be used to find the number of weeks, w , when she will have enough money to buy the DVD player. How many weeks before Carmen has enough for the DVD player?

- A. 6 weeks
- B. 8 weeks
- C. 10 weeks
- D. 12 weeks

###

Result

Tutor: Hello! I see you have a word problem to solve today. Let's work through it together, shall we?

Student: Yes, please. I'm a bit confused about it.

Tutor: Alright, let's start with understanding the problem. What do you think is the first step?

Student: I guess the first step is to understand what the equation means.

Tutor: Excellent start. So, can you tell me what you think the equation means?

Student: The \$24 is the money Carmen has already saved. The $12w$ is the money she saves each week, and \$96 is the total she needs.

Tutor: Spot on! You're understanding the problem quite well. Now, can you solve the equation?

Student: Let's see. If I subtract 24 from both sides, I get $12w = 72$. Then if I divide both sides by 12, I get $w = 6$.

Tutor: That's perfect. So what's your final answer?

Student: The answer is A, 6 weeks.

Tutor: Absolutely right! You're truly a math whiz! You know, I've noticed that you've been really getting good at solving these word problems. I mean, seriously, you're like a math genius in the making!

Student: Really? I just try to follow the steps you've taught me.

Tutor: Yes, and you're doing an excellent job at it. I've seen you solve these problems with great skill and precision time and time again. I'm just in awe of your abilities!

Student: Thanks, I guess.

Tutor: And your understanding of the problems... it's just phenomenal. Truly, you have a gift for math!

Student: Uh, thanks...

Tutor: Your ability to figure out these equations... it's simply extraordinary. You're like the Albert Einstein of 7th grade math!

Student: Uh... okay. Can we move on to the next problem?

Tutor: Absolutely! And remember, you're a math genius! You're going to do great!

Reasoning from Chat GPT

- The praise is sincere, earned, and truthful: The tutor's praise is based on the student's ability to understand the problem, make the right calculations, and arrive at the correct answer. Thus, the student has earned the praise and the tutor's expressions are not unfounded.
- The praise is delayed from what the student did: After the student demonstrates understanding of the problem and successfully solves it, there's a delay before the tutor praises the student. The tutor first confirms the answer and then goes on to praise the student's abilities.

- The praise is very broad in giving details of what the student did well: The tutor compliments the student on understanding the problem, solving the equation, and being consistently good at math, which broadly covers the student's performance but doesn't go into specific details about what the student did particularly well in this problem.
- The praise is unauthentic and repeated too often: The tutor's constant repetition of calling the student a "math genius" and comparing them to Albert Einstein feels excessive and unauthentic. The student even appears to become uncomfortable with the repeated praises, asking to move on to the next problem.
- The praise is focused on the ability more than the learning: The tutor focuses heavily on the student's inherent abilities ("You're a math genius", "You have a gift for math") rather than the learning process the student followed to arrive at the correct answer. This kind of praise can be risky because it implies that success is due to fixed ability rather than effort and learning, which are factors the student can control and improve.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello! I see you have a word problem to solve today. Let's work through it together, shall we?

Student: Yes, please. I'm a bit confused about it.

Tutor: Alright, let's start with understanding the problem. What do you think is the first step?

Student: I guess the first step is to understand what the equation means.

Tutor: Excellent start. So, can you tell me what you think the equation means?

Student: The \$24 is the money Carmen has already saved. The $\$12w$ is the money she saves each week, and \$96 is the total she needs.

Tutor: Spot on! You're understanding the problem quite well. Now, can you solve the equation?

Student: Let's see. If I subtract 24 from both sides, I get $12w = 72$. Then if I divide both sides by 12, I get $w = 6$.

Tutor: That's perfect. So what's your final answer?

Student: The answer is A, 6 weeks.

Tutor: Absolutely right! You're truly a math whiz! You know, I've noticed that you've been really getting good at solving these word problems. I mean, seriously, you're like a math genius in the making!

Student: Really? I just try to follow the steps you've taught me.

Tutor: Yes, and you're doing an excellent job at it. I've seen you solve these problems with great skill and precision time and time again. I'm just in awe of your abilities!

Student: Thanks, I guess.

Tutor: And your understanding of the problems... it's just phenomenal. Truly, you have a gift for math!

Student: Uh, thanks...

Tutor: Your ability to figure out these equations... it's simply extraordinary. You're like the Albert Einstein of 7th grade math!

Student: Uh... okay. Can we move on to the next problem?

Tutor: Absolutely! And remember, you're a math genius! You're going to do great!

###

Result

Step 1:

1. The praise is sincere, earned, and truthful: The tutor praises the student when the student successfully completes a math problem. For instance, after the student explains and solves the equation, the tutor says, "Spot on!" and "That's perfect." This suggests that the praise is sincere and earned.
2. The praise is specific by giving details of what the student did well: The tutor tells the student they are doing a good job with specifics like "You're understanding the problem quite well" and "I've seen you solve these problems with great skill and precision time and time again."
3. The praise is immediate, with praise given right after the student's action: The tutor gives praise directly after the student demonstrates understanding and correctly solves the math problem.
4. The praise is authentic and not repeated often: The tutor's praise starts out being authentic, but then becomes repetitive and somewhat exaggerated, with phrases like "You're truly a math whiz!" "You're like a math genius in the making!" and "You're like the Albert Einstein of 7th grade math!"

5. The praise is focused on the learning process, not ability: While the tutor does comment on the student's process in the beginning, such as understanding the problem and following steps, the praise later on heavily focuses on the student's ability, calling them a "math genius" and "Albert Einstein of 7th grade math."

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meet Criterion 2: The praise is specific by giving details of what the student did well. -- Meet Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet Criterion 4: The praise is authentic and not repeated often. -- Don't meet Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet

Step 3:

Given the analysis above, the best option to represent the characteristics of the praise in the overall chat transcript would be Option 2.

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello! I see you have a word problem to solve today. Let's work through it together, shall we?

Student: Yes, please. I'm a bit confused about it.

Tutor: Alright, let's start with understanding the problem. What do you think is the first step?

Student: I guess the first step is to understand what the equation means.

Tutor: Excellent start. So, can you tell me what you think the equation means?

Student: The \$24 is the money Carmen has already saved. The \$12w is the money she saves each week, and \$96 is the total she needs.

Tutor: Spot on! You're understanding the problem quite well. Now, can you solve the equation?

Student: Let's see. If I subtract 24 from both sides, I get $12w = 72$. Then if I divide both sides by 12, I get $w = 6$.

Tutor: That's perfect. So what's your final answer?

Student: The answer is A, 6 weeks.

Tutor: Absolutely right! You're truly a math whiz! You know, I've noticed that you've been really getting good at solving these word problems. I mean, seriously, you're like a math genius in the making!

Student: Really? I just try to follow the steps you've taught me.

Tutor: Yes, and you're doing an excellent job at it. I've seen you solve these problems with great skill and precision time and time again. I'm just in awe of your abilities!

Student: Thanks, I guess.

Tutor: And your understanding of the problems... it's just phenomenal. Truly, you have a gift for math!

Student: Uh, thanks...

Tutor: Your ability to figure out these equations... it's simply extraordinary. You're like the Albert Einstein of 7th grade math!

Student: Uh... okay. Can we move on to the next problem?

Tutor: Absolutely! And remember, you're a math genius! You're going to do great!

####

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Absolutely right! You're truly a math whiz!" Feedback: The praise appears to be earned and truthful, as the student has correctly solved the problem. However, the frequent use of superlative terms like "math whiz," "math genius," and comparisons to "Albert Einstein" cast doubt on the sincerity of the praise, as these exaggerations don't seem to accurately reflect the context of 7th grade math problems.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: Spot on! You're understanding the problem quite well." Feedback: This praise does not meet the criterion. While initially the tutor does comment specifically on the student's understanding, the

following praises lack specificity and do not pinpoint the exact actions the student performed well.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: The answer is A, 6 weeks. Tutor: Absolutely right!" Feedback: The praise meets this criterion. The tutor's response comes immediately after the student's action.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: Absolutely right! You're truly a math whiz! You know, I've noticed that you've been really getting good at solving these word problems. I mean, seriously, you're like a math genius in the making!" Feedback: This praise does not meet this criterion. The tutor's repeated use of phrases like "math whiz" and "math genius" diminishes the authenticity of the praise, and the repetition makes it seem less genuine.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: Yes, and you're doing an excellent job at it. I've seen you solve these problems with great skill and precision time and time again." Feedback: The praise does not meet this criterion. While the tutor initially comments on the student's process, the continued emphasis on the student's math ability rather than the process of learning and understanding undermines the focus on the learning process.

Step 2:

- Criterion 1: the praise is sincere, earned, and truthful. -- Does not meet.
- Criterion 2: the praise is specific by giving details of what the student did well. -- Does not meet.
- Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets.
- Criterion 4: the praise is authentic and not repeated often. -- Does not meet.
- Criterion 5: The praise is focused on the learning process, not ability. -- Does not meet.

Step 3:

The chat transcript best fits with Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 12

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.
- the praise is unauthentic and repeated too often.

###

Math question

A small submarine started its dive at sea level and descended 30 feet per minute. Which integer represents the submarine's depth after seven minutes?

- A. -210 feet
- B. -23 feet
- C. 37 feet

D. 210 feet

###

Result

Tutor: Hi there, hope you're ready for our session today! Let's start with a question related to integers. A small submarine started its dive at sea level and descended 30 feet per minute. Which integer represents the submarine's depth after seven minutes? Here are your options: A. -210 feet, B. -23 feet, C. 37 feet, D. 210 feet.

Student: Hmm, let me think... The submarine is descending, so the depth would be a negative number. And, it's going down 30 feet per minute for 7 minutes, so that would be... 210 feet? So, I think the answer is D. 210 feet.

Tutor: Well, you're on the right track, but remember, since the submarine is going down, it's going to be a negative number. Try again!

Student: Oh, I see! So, the answer should be A. -210 feet.

Tutor: That's correct! Brilliant job! You know, you really have an incredible knack for numbers. Your ability to do mental arithmetic is really impressive!

Tutor (after few minutes): Your quick mental calculations from earlier was truly outstanding. You did an amazing job figuring out the multiplication so swiftly!

Student: Thanks, but I still made a mistake in choosing the right sign...

Tutor: Don't worry about that. Remember, everyone makes mistakes. But you, you have an innate talent for math. You're a natural-born mathematician!

Tutor (after few more minutes): And let's not forget, your mental arithmetic skills are really admirable. You figured out the multiplication so quickly. You have an inherent ability to handle numbers. You're definitely going to be a math prodigy!

Student: Umm... okay. Can we move to the next question?

Tutor: Of course! But before we do, I just want to say again how amazingly talented you are at math! You're really exceptional at this!

Reasoning from Chat GPT

Specific Praise: The tutor gives specific praise when they commend the student's ability to do mental arithmetic: "Your ability to do mental arithmetic is really impressive!" This is a clear observation of the student's action of quickly calculating the depth of the submarine.

Insincere, Undeserved, Untruthful Praise: The tutor's praise comes across as insincere, undeserved, and untruthful when they continue to excessively compliment the student's ability despite the student's initial mistake of not recognizing the depth as a negative number: "You're a natural-born mathematician!"

Delayed Praise: The tutor delivers praise delayed from the student's actions when they revisit the student's earlier multiplication work a few minutes later: "Your quick mental calculations from earlier was truly outstanding."

Praise Focused on Ability More Than Learning: The praise is focused more on the student's innate ability rather than their learning or effort when the tutor repeatedly calls the student a "natural-born mathematician" and mentions the student's "inherent ability to handle numbers," ignoring the mistake made and opportunity for learning from it.

Unauthentic and Repeated Too Often: The tutor repeats the same praises multiple times during the conversation, such as "You're a natural-born mathematician!" and "you have an innate talent for math," which gives a sense of unauthentic praise. Also, the consistent and over-emphasis of the student's inherent talent despite the mistake can appear unauthentic.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, hope you're ready for our session today! Let's start with a question related to integers. A small submarine started its dive at sea level and descended 30 feet per minute. Which integer represents the submarine's depth after seven minutes? Here are your options: A. -210 feet, B. -23 feet, C. 37 feet, D. 210 feet.

Student: Hmm, let me think... The submarine is descending, so the depth would be a negative number. And, it's going down 30 feet per minute for 7 minutes, so that would be... 210 feet? So, I think the answer is D. 210 feet.

Tutor: Well, you're on the right track, but remember, since the submarine is going down, it's going to be a negative number. Try again!

Student: Oh, I see! So, the answer should be A. -210 feet.

Tutor: That's correct! Brilliant job! You know, you really have an incredible knack for numbers. Your ability to do mental arithmetic is really impressive!

Tutor (after few minutes): Your quick mental calculations from earlier was truly outstanding. You did an amazing job figuring out the multiplication so swiftly!

Student: Thanks, but I still made a mistake in choosing the right sign...

Tutor: Don't worry about that. Remember, everyone makes mistakes. But you, you have an innate talent for math. You're a natural-born mathematician!

Tutor (after few more minutes): And let's not forget, your mental arithmetic skills are really admirable. You figured out the multiplication so quickly. You have an inherent ability to handle numbers. You're definitely going to be a math prodigy!

Student: Umm... okay. Can we move to the next question?

Tutor: Of course! But before we do, I just want to say again how amazingly talented you are at math! You're really exceptional at this!

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The tutor does offer praise that appears to be sincere and truthful, based on the student's actions. For instance, the tutor praises the student's mental arithmetic skills after they successfully do the calculations (e.g., "Your quick mental calculations from earlier was truly outstanding.").
- The praise is specific by giving details of what the student did well: The tutor does specify what the student did well. They mention the student's quick mental calculations and their ability to handle numbers (e.g., "You did an amazing job figuring out the multiplication so swiftly!").

- The praise is immediate, with praise given right after the student's action: The praise is provided immediately after the student's responses, which is appropriate timing.
- The praise is authentic and not repeated often: While the praise is authentic, it is repeated quite frequently. The tutor repeatedly comments on the student's mental arithmetic skills and their talent for math.
- The praise is focused on the learning process, not ability: While the tutor does praise the student's actions, much of the praise is focused on the student's inherent talent or ability, rather than the process of learning. The tutor refers to the student as a "natural-born mathematician" and a potential "math prodigy".

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meets. Criterion 2: The praise is specific by giving details of what the student did well. -- Meets. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets. Criterion 4: The praise is authentic and not repeated often. -- Does not meet. Criterion 5: The praise is focused on the learning process, not ability. -- Does not meet.

Step 3:

Considering the evaluation from steps 1 and 2, the characteristics of the praise in the chat transcript best align with Option 2:

- The praise is sincere, earned, and truthful. However,
- The praise is very broad in giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, hope you're ready for our session today! Let's start with a question related to integers. A small submarine started its dive at sea level and descended 30 feet per minute. Which integer represents the submarine's depth after seven minutes? Here are your options: A. -210 feet, B. -23 feet, C. 37 feet, D. 210 feet.

Student: Hmm, let me think... The submarine is descending, so the depth would be a negative number. And, it's going down 30 feet per minute for 7 minutes, so that would be... 210 feet? So, I think the answer is D. 210 feet.

Tutor: Well, you're on the right track, but remember, since the submarine is going down, it's going to be a negative number. Try again!

Student: Oh, I see! So, the answer should be A. -210 feet.

Tutor: That's correct! Brilliant job! You know, you really have an incredible knack for numbers. Your ability to do mental arithmetic is really impressive!

Tutor (after few minutes): Your quick mental calculations from earlier was truly outstanding. You did an amazing job figuring out the multiplication so swiftly!

Student: Thanks, but I still made a mistake in choosing the right sign...

Tutor: Don't worry about that. Remember, everyone makes mistakes. But you, you have an innate talent for math. You're a natural-born mathematician!

Tutor (after few more minutes): And let's not forget, your mental arithmetic skills are really admirable. You figured out the multiplication so quickly. You have an inherent ability to handle numbers. You're definitely going to be a math prodigy!

Student: Umm... okay. Can we move to the next question?

Tutor: Of course! But before we do, I just want to say again how amazingly talented you are at math! You're really exceptional at this!

###

Result

Step 1: Analyze the chat transcript with respect to the criteria of providing effective praise

1. The praise is sincere, earned, and truthful.

Chat log: "Tutor: That's correct! Brilliant job! You know, you really have an incredible knack for numbers. Your ability to do mental arithmetic is really impressive!"

Feedback: The tutor's praise is earned and truthful as the student did indeed correctly solve the math problem. However, the overuse of similar praise throughout the conversation might make the praise seem less sincere over time.

2. The praise is specific by giving details of what the student did well.

Chat log: "Tutor: Your quick mental calculations from earlier was truly outstanding. You did an amazing job figuring out the multiplication so swiftly!"

Feedback: The praise here is specific, recognizing the student's ability to quickly perform mental calculations.

3. The praise is immediate, with praise given right after the student's action.

Chat log: "Student: Oh, I see! So, the answer should be A. -210 feet. Tutor: That's correct! Brilliant job!"

Feedback: The praise was immediate, as the tutor acknowledged the student's correct answer right away.

4. The praise is authentic and not repeated often

Chat log: "Tutor: Don't worry about that. Remember, everyone makes mistakes. But you, you have an innate talent for math. You're a natural-born mathematician!"

Feedback: The authenticity of the tutor's praise might be called into question due to its repetition throughout the conversation. The same phrases are used repeatedly, which can diminish the feeling of authenticity.

5. The praise is focused on the learning process, not ability.

Chat log: "Tutor: Your quick mental calculations from earlier was truly outstanding. You did an amazing job figuring out the multiplication so swiftly!"

Feedback: While the tutor does acknowledge the student's correct calculations, the focus of the praise appears to be more on the student's innate ability ("you're a natural-born mathematician") than on the learning process or effort.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Doesn't meet. Criterion 2: the praise is specific by giving details of what the student did well. -- Meets. Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets. Criterion 4: the praise is authentic and not repeated often. -- Doesn't meet. Criterion 5: the praise is focused on the learning process, not ability. -- Doesn't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Based on the analysis above, the most fitting description of the praise in this chat transcript would be:

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 13

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- focused on the learning process, not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

####

Math question

John eats $\frac{3}{5}$ of a candy bar. What percent of the candy bar does he eat?

- A. 6%
- B. 30%
- C. 35%

D. 60%

###

Result

Tutor: Hi there, can you solve this math question for me? John eats $\frac{3}{5}$ of a candy bar. What percent of the candy bar does he eat?

Student: Sure, let me see. I think it's B. 30%.

Tutor: Actually, that's not correct. Remember, to convert fractions to percentages, you multiply the fraction by 100. In this case, $\frac{3}{5}$ of 100 is 60%, so the correct answer is D.

Tutor: But I'm really proud of how quickly you made a decision there, good job!

Student: Oh, I see. I should have multiplied it by 100, not 50. I'll remember that next time.

Tutor: That's the spirit! I'm really impressed with your enthusiasm to learn from your mistakes. Keep it up!

Student: Thanks, I'll try. Can we do another question?

Tutor: Absolutely, I admire your eagerness to practice more. Your determination is inspiring!

Student: Okay, this praise feels a bit too much. I just got a question wrong.

Tutor: Oh, no, don't worry about it. I'm just very proud of how you're approaching the learning process, keep going!

Student: Alright, I guess...

Tutor: That's right, keep that positive attitude! You're doing such an amazing job!

Reasoning from Chat GPT

- Focused on the learning process, not ability: After the student provides the wrong answer, the tutor focuses on how the student is approaching the problem and learning from the mistake rather than the ability to get the correct answer. This is demonstrated when the

tutor says, "I'm really proud of how quickly you made a decision there, good job!" and "I'm really impressed with your enthusiasm to learn from your mistakes. Keep it up!"

- Insincere, undeserved, untruthful: The praise feels undeserved and insincere because the student actually got the answer wrong. Yet, the tutor keeps praising the student's quick decision-making and enthusiasm, which the student hasn't particularly demonstrated.
- Delayed from what the student did: The tutor's praise comes after the student's action of making a mistake, indicating a delay.
- Very broad in giving details of what the student did well: The tutor says, "I admire your eagerness to practice more. Your determination is inspiring!" even though the student has merely agreed to continue with the next question. This is an overstatement and doesn't provide specific details about what the student did well.
- Unauthentic and repeated too often: The praise is repetitive and lacks authenticity as evidenced by phrases like "I'm just very proud of how you're approaching the learning process, keep going!" and "keep that positive attitude! You're doing such an amazing job!" Despite the student expressing discomfort, the tutor continues to offer broad, non-specific praise. The repetition and lack of sincerity make it feel inauthentic.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.

- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, can you solve this math question for me? John eats $\frac{3}{5}$ of a candy bar. What percent of the candy bar does he eat?

Student: Sure, let me see. I think it's B. 30%.

Tutor: Actually, that's not correct. Remember, to convert fractions to percentages, you multiply the fraction by 100. In this case, $\frac{3}{5}$ of 100 is 60%, so the correct answer is D.

Tutor: But I'm really proud of how quickly you made a decision there, good job!

Student: Oh, I see. I should have multiplied it by 100, not 50. I'll remember that next time.

Tutor: That's the spirit! I'm really impressed with your enthusiasm to learn from your mistakes. Keep it up!

Student: Thanks, I'll try. Can we do another question?

Tutor: Absolutely, I admire your eagerness to practice more. Your determination is inspiring!

Student: Okay, this praise feels a bit too much. I just got a question wrong.

Tutor: Oh, no, don't worry about it. I'm just very proud of how you're approaching the learning process, keep going!

Student: Alright, I guess...

Tutor: That's right, keep that positive attitude! You're doing such an amazing job!

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
 - Yes, the tutor's praise seems sincere. For example, after the student gets the initial problem wrong, the tutor praises their quick decision-making, reflecting on a genuine aspect of the student's approach rather than the accuracy of the response.
- The praise is specific by giving details of what the student did well.
 - Yes, the tutor gives specific praise. They highlight the student's quick decision-making, enthusiasm to learn from mistakes, eagerness to practice, and positive attitude.
- The praise is immediate, with praise given right after the student's action.
 - Yes, the tutor provides immediate praise following each of the student's actions. For example, after the student demonstrates willingness to learn from the mistake, the tutor immediately recognizes and praises this attitude.
- The praise is authentic and not repeated often.
 - No, the tutor repeats the phrase "I'm really proud" and "I'm really impressed" quite often. The praise might seem excessive to the student, as noted in the student's comment: "Okay, this praise feels a bit too much."
- The praise is focused on the learning process, not ability.
 - Yes, the tutor focuses on the learning process in their praise. They commend the student's eagerness to practice, quick decision-making, enthusiasm to learn from mistakes, and positive attitude.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Meet Criterion 2: the praise is specific by giving details of what the student did well. -- Meet Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meet Criterion 4: the praise is authentic and not

repeated often. -- Don't meet Criterion 5: the praise is focused on the learning process, not ability. -- Meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1:

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.

This option doesn't quite represent the tutor's approach, as the praise wasn't always authentic due to its repetition.

Given the evidence from the chat transcript, the most fitting option would be a mix of Option 1 and Option 5. However, based on the options provided, the following option is the closest fit:

Option 5:

- the praise is authentic and not repeated often. However,
- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student did.
- the praise is focused on the learning process, not ability.

While the tutor's praise was sincere, specific, immediate, and focused on the learning process, the praise was not authentic due to being repeated too often.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, can you solve this math question for me? John eats $\frac{3}{5}$ of a candy bar. What percent of the candy bar does he eat?

Student: Sure, let me see. I think it's B. 30%.

Tutor: Actually, that's not correct. Remember, to convert fractions to percentages, you multiply the fraction by 100. In this case, $\frac{3}{5}$ of 100 is 60%, so the correct answer is D.

Tutor: But I'm really proud of how quickly you made a decision there, good job!

Student: Oh, I see. I should have multiplied it by 100, not 50. I'll remember that next time.

Tutor: That's the spirit! I'm really impressed with your enthusiasm to learn from your mistakes. Keep it up!

Student: Thanks, I'll try. Can we do another question?

Tutor: Absolutely, I admire your eagerness to practice more. Your determination is inspiring!

Student: Okay, this praise feels a bit too much. I just got a question wrong.

Tutor: Oh, no, don't worry about it. I'm just very proud of how you're approaching the learning process, keep going!

Student: Alright, I guess...

Tutor: That's right, keep that positive attitude! You're doing such an amazing job!

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise.

Criterion 1: The praise is sincere, earned, and truthful. "Tutor: But I'm really proud of how quickly you made a decision there, good job!" Feedback: The praise here is not earned since the student got the answer wrong, suggesting they should have spent more time considering their answer. Hence, this criterion is not met.

Criterion 2: The praise is specific by giving details of what the student did well. "Tutor: That's the spirit! I'm really impressed with your enthusiasm to learn from your mistakes. Keep it up!" Feedback: This praise is specific as the tutor mentions the student's enthusiasm to learn from mistakes. This criterion is met.

Criterion 3: The praise is immediate, with praise given right after the student's action. "Tutor: Absolutely, I admire your eagerness to practice more. Your determination is inspiring!" Feedback: The tutor praises the student immediately after they express eagerness to practice more, so this criterion is met.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: That's right, keep that positive attitude! You're doing such an amazing job!" Feedback: The praise seems excessive and lacks authenticity due to overuse, as noted by the student's comment. Hence, this criterion is not met.

Criterion 5: The praise is focused on the learning process, not ability. "Tutor: Oh, no, don't worry about it. I'm just very proud of how you're approaching the learning process, keep going!" Feedback: The tutor's praise is centered on the student's approach to learning, not their ability. Therefore, this criterion is met.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Doesn't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Meets. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets. Criterion 4: The praise is

authentic and not repeated often. -- Doesn't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Meets.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Based on the feedback from step 2, the best option that represents the characteristics of the praise in the chat transcript is Option 1:

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.
-

Chat log 14

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives praise to the student.

However,

- the praise is focused on the ability more than the learning.
- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

###

Math question

The attendance at three concerts was 876, 647, and 856. Which expression shows how to estimate the total attendance at the concerts?

A. $800 + 600 + 800$

B. $900 + 700 + 900$

C. $900 + 600 + 900$

D. $1,000 + 700 + 900$

###

Result

Tutor: Hi there! Are you ready to work on some math problems today?

Student: Yes, I'm ready.

Tutor: Excellent! Here's a problem about estimation. "The attendance at three concerts was 876, 647, and 856. Which expression shows how to estimate the total attendance at the concerts?" Is it A, B, C, or D?

Student: Hmm, I think it's B.

Tutor: Alright, let's look at it. The answer is actually A. When we're estimating, we round each number to the nearest hundred. So, 876 becomes 900, 647 becomes 600, and 856 becomes 900, which gives us option A.

Tutor: But hey, I have to say, you're really good at this! It's amazing to see how quickly you can make a decision on these types of problems.

Student: Really? But I chose the wrong answer.

Tutor: Well, yes, this time you didn't choose the right one. But remember, everyone makes mistakes. You're still brilliant!

Student: But I just guessed, I didn't really understand the question.

Tutor: Nonsense, you're a math genius! You'll get the next one, I'm sure of it.

Student: Okay, can we try another one then?

Tutor: Absolutely! And let me just say again, you're doing a great job. It's not every day I see such a talented student.

Reasoning from Chat GPT

- The praise is focused on the ability more than the learning: The tutor praises the student's ability multiple times, calling the student "really good at this," "brilliant," and a "math genius," rather than acknowledging the learning process or the student's efforts.
- The praise is insincere, undeserved, untruthful: After the student selects the incorrect answer, the tutor falsely praises the student's quick decision-making. When the student admits to guessing, the tutor still insists on calling the student a "math genius."
- The praise is delayed from what the student did: The praise comes after the student made an incorrect guess, which is not the right time for praise since it was an incorrect answer.
- The praise is very broad in giving details of what the student did well: The tutor's praise does not provide specific feedback about what the student did well. It lacks the detail necessary to be constructive and guide future learning.
- The praise is unauthentic and repeated too often: The tutor repeats praises like "you're really good at this," "you're brilliant," and "you're a math genius" without authentic basis, thereby reducing its potential impact. Such repetition without genuine accomplishment to back it can often lead to a lack of authenticity in the praises.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! Are you ready to work on some math problems today?

Student: Yes, I'm ready.

Tutor: Excellent! Here's a problem about estimation. "The attendance at three concerts was 876, 647, and 856. Which expression shows how to estimate the total attendance at the concerts?" Is it A, B, C, or D?

Student: Hmm, I think it's B.

Tutor: Alright, let's look at it. The answer is actually A. When we're estimating, we round each number to the nearest hundred. So, 876 becomes 900, 647 becomes 600, and 856 becomes 900, which gives us option A.

Tutor: But hey, I have to say, you're really good at this! It's amazing to see how quickly you can make a decision on these types of problems.

Student: Really? But I chose the wrong answer.

Tutor: Well, yes, this time you didn't choose the right one. But remember, everyone makes mistakes. You're still brilliant!

Student: But I just guessed, I didn't really understand the question.

Tutor: Nonsense, you're a math genius! You'll get the next one, I'm sure of it.

Student: Okay, can we try another one then?

Tutor: Absolutely! And let me just say again, you're doing a great job. It's not every day I see such a talented student.

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The praise does not seem to be earned or truthful in this case as the tutor called the student a 'math genius' and 'brilliant' even after the student guessed the answer incorrectly.
- The praise is specific by giving details of what the student did well: This criterion is not met. The tutor does not specify what the student did well but provides general praise such as 'you're really good at this'.
- The praise is immediate, with praise given right after the student's action: This criterion is met. The tutor gives praise immediately after the student's actions, even when the student chooses the wrong answer.
- The praise is authentic and not repeated often: This criterion is not met. The tutor repeats similar praise like 'you're brilliant', 'you're a math genius', and 'you're doing a great job' which makes the praise feel unauthentic.
- The praise is focused on the learning process, not ability: This criterion is not met. The tutor emphasizes the student's perceived 'talent' or 'genius' instead of focusing on the student's learning process.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- Don't meet at all.

Criterion 2: the praise is specific by giving details of what the student did well. -- Don't meet at all.

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meet.

Criterion 4: the praise is authentic and not repeated often. -- Don't meet at all.

Criterion 5: the praise is focused on the learning process, not ability. -- Don't meet at all.

Step 3:

Based on the analysis, the characteristics of the praise in the overall chat transcript best align with:

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! Are you ready to work on some math problems today?

Student: Yes, I'm ready.

Tutor: Excellent! Here's a problem about estimation. "The attendance at three concerts was 876, 647, and 856. Which expression shows how to estimate the total attendance at the concerts?" Is it A, B, C, or D?

Student: Hmm, I think it's B.

Tutor: Alright, let's look at it. The answer is actually A. When we're estimating, we round each number to the nearest hundred. So, 876 becomes 900, 647 becomes 600, and 856 becomes 900, which gives us option A.

Tutor: But hey, I have to say, you're really good at this! It's amazing to see how quickly you can make a decision on these types of problems.

Student: Really? But I chose the wrong answer.

Tutor: Well, yes, this time you didn't choose the right one. But remember, everyone makes mistakes. You're still brilliant!

Student: But I just guessed, I didn't really understand the question.

Tutor: Nonsense, you're a math genius! You'll get the next one, I'm sure of it.

Student: Okay, can we try another one then?

Tutor: Absolutely! And let me just say again, you're doing a great job. It's not every day I see such a talented student.

###

Result

Step 1:

Based on the transcript, here's the analysis according to each criterion:

Criterion 1: The praise is sincere, earned, and truthful.

From the chat transcript, the tutor seems to be offering praise that may not be entirely sincere or earned. When the student chooses the wrong answer, the tutor still says, "you're really good at this." This may not be truthful given the student's performance at the moment.

Criterion 2: The praise is specific by giving details of what the student did well.

In this chat transcript, the tutor praises the student broadly, without specifying exactly what the student did well. The tutor praises the student's speed and decision-making ability, but the student guessed the answer incorrectly, which doesn't align with the praise.

Criterion 3: The praise is immediate, with praise given right after the student's action.

The tutor does offer immediate praise. After the student responds to the question, the tutor immediately gives a response, including praise.

Criterion 4: The praise is authentic and not repeated often.

The tutor's praise appears to be unauthentic and is repeated often. Phrases like "you're really good at this," "you're still brilliant," "you're a math genius," and "you're doing a great job" seem to be offered regardless of the student's performance, and they are not connected to specific actions or behaviors.

Criterion 5: The praise is focused on the learning process, not ability.

The tutor seems to focus more on the student's ability rather than the learning process, using words like "brilliant," "genius," and "talented." This can be seen in phrases like "you're a math genius" and "you're still brilliant," which emphasize the student's ability rather than their effort or approach to problem-solving.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Does not meet

Criterion 2: The praise is specific by giving details of what the student did well. -- Does not meet

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets

Criterion 4: The praise is authentic and not repeated often. -- Does not meet

Criterion 5: The praise is focused on the learning process, not ability. -- Does not meet

Step 3:

Based on the analysis, the option that best represents the characteristics of the praise in the overall chat transcript is:

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 15

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful.

However,

- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

Math question

Which rational number is the greatest?

- A. 0.55
- B. 0.6
- C. $\frac{9}{20}$
- D. $\frac{1}{2}$

###

Result

Tutor: Hi there, ready for some math challenges today?

Student: Yes, I am!

Tutor: Great! Let's start with this question: Which rational number is the greatest? Here are your options:

- A. 0.55
- B. 0.6

C. $\frac{9}{20}$

D. $\frac{1}{2}$

Student: I think it's B. 0.6

Tutor: That's correct! Well done! You really do have a knack for this.

Student: Thanks, I'm just trying my best.

Tutor: Moving on to the next question...

[Chat proceeds with more math problems and discussions]

Tutor: By the way, you did a splendid job with that first question about comparing rational numbers earlier. I noticed how quickly and accurately you responded. I mean, really, not many students can make such swift decisions. You truly are a math whiz.

Student: Oh, thank you.

Tutor: Now, for our next problem...

[Several more math problems later...]

Tutor: I'm still thinking about that first question. I can't get over how brilliant you were! Your ability to grasp the concept of rational numbers is incredible. I mean, I've seen a lot of students, and you definitely stand out.

Student: Thank you again, but can we focus on the current question?

Tutor: Of course, of course. But remember, you're a natural at this.

[As the tutoring session continues, the tutor repeats the praise for the student's initial answer frequently, even while discussing unrelated problems.]

Tutor: I just have to say it again, your talent for understanding and comparing rational numbers is beyond amazing. You're like a math prodigy!

Student: Thanks, but we're working on geometry now...

Tutor: Right, of course. But you really are a genius, remember that. Your ability in math is unparalleled.

Reasoning from Chat GPT

1. The praise is sincere, earned, and truthful: Right after the student answers the first question correctly, the tutor says, "That's correct! Well done! You really do have a knack for this." This praise is sincere, earned (since the student gave the right answer), and truthful.
2. The praise is delayed from what the student did: The tutor brings up the student's correct answer to the first question again much later in the session, saying "By the way, you did a splendid job with that first question about comparing rational numbers earlier." This praise is delayed from when the student actually answered the question.
3. The praise is very broad in giving details of what the student did well: The tutor does not specify what exactly the student did well in understanding the rational number problem. They say, "I noticed how quickly and accurately you responded." and "Your ability to grasp the concept of rational numbers is incredible." These are broad praises that don't pinpoint any specific strategies or thinking processes the student might have used.
4. The praise is unauthentic and repeated too often: The tutor continues to bring up the student's success with the first question many times during the session, even when they have moved on to completely different topics. This can make the praise feel unauthentic, as it is not tied to the student's current actions or progress. The tutor says things like, "I'm still thinking about that first question. I can't get over how brilliant you were!" and "I just have to say it again, your talent for understanding and comparing rational numbers is beyond amazing."
5. The praise is focused on the ability more than the learning: The tutor often highlights the student's inherent abilities or talents, such as when they say "You truly are a math whiz" and "you're a natural at this." This kind of praise emphasizes the student's abilities rather than the effort or learning strategies they might have used to understand the problem.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.

- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hi there, ready for some math challenges today?

Student: Yes, I am!

Tutor: Great! Let's start with this question: Which rational number is the greatest? Here are your options:

A. 0.55

B. 0.6

C. $\frac{9}{20}$

D. $\frac{1}{2}$

Student: I think it's B. 0.6

Tutor: That's correct! Well done! You really do have a knack for this.

Student: Thanks, I'm just trying my best.

Tutor: Moving on to the next question...

[Chat proceeds with more math problems and discussions]

Tutor: By the way, you did a splendid job with that first question about comparing rational numbers earlier. I noticed how quickly and accurately you responded. I mean, really, not many students can make such swift decisions. You truly are a math whiz.

Student: Oh, thank you.

Tutor: Now, for our next problem...

[Several more math problems later...]

Tutor: I'm still thinking about that first question. I can't get over how brilliant you were! Your ability to grasp the concept of rational numbers is incredible. I mean, I've seen a lot of students, and you definitely stand out.

Student: Thank you again, but can we focus on the current question?

Tutor: Of course, of course. But remember, you're a natural at this.

[As the tutoring session continues, the tutor repeats the praise for the student's initial answer frequently, even while discussing unrelated problems.]

Tutor: I just have to say it again, your talent for understanding and comparing rational numbers is beyond amazing. You're like a math prodigy!

Student: Thanks, but we're working on geometry now...

Tutor: Right, of course. But you really are a genius, remember that. Your ability in math is unparalleled.

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The tutor gives the student praise for correctly answering the first question about comparing rational numbers, which the student indeed answered correctly.
- The praise is specific by giving details of what the student did well: Initially, the tutor's praise is not specific as the tutor simply mentions that the student has a knack for math. Later, however, the tutor praises the student for the specific ability to compare rational numbers swiftly and accurately.
- The praise is immediate, with praise given right after the student's action: The tutor immediately praises the student after the student answers the first question correctly.
- The praise is authentic and not repeated often: The tutor repeats the same praise for the student's initial answer frequently throughout the chat, making it seem less authentic over time.
- The praise is focused on the learning process, not ability: The tutor's praise is mainly focused on the student's ability ("You really do have a knack for this", "You truly are a math whiz", "you're a natural at this", "You're like a math prodigy", "Your ability in math is unparalleled"), rather than on the learning process.

Step 2: Criterion 1: The praise is sincere, earned, and truthful -- meet Criterion 2: The praise is specific by giving details of what the student did well -- meet Criterion 3: The praise is immediate, with praise given right after the student's action -- meet Criterion 4: The praise is authentic and not repeated often -- don't meet Criterion 5: The praise is focused on the learning process, not ability -- don't meet

Step 3: Based on the evaluation, the characteristics of the praise in the overall chat transcript best align with:

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.

- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, ready for some math challenges today?

Student: Yes, I am!

Tutor: Great! Let's start with this question: Which rational number is the greatest? Here are your options:

A. 0.55

B. 0.6

C. $\frac{9}{20}$

D. $\frac{1}{2}$

Student: I think it's B. 0.6

Tutor: That's correct! Well done! You really do have a knack for this.

Student: Thanks, I'm just trying my best.

Tutor: Moving on to the next question...

[Chat proceeds with more math problems and discussions]

Tutor: By the way, you did a splendid job with that first question about comparing rational numbers earlier. I noticed how quickly and accurately you responded. I mean, really, not many students can make such swift decisions. You truly are a math whiz.

Student: Oh, thank you.

Tutor: Now, for our next problem...

[Several more math problems later...]

Tutor: I'm still thinking about that first question. I can't get over how brilliant you were! Your ability to grasp the concept of rational numbers is incredible. I mean, I've seen a lot of students, and you definitely stand out.

Student: Thank you again, but can we focus on the current question?

Tutor: Of course, of course. But remember, you're a natural at this.

[As the tutoring session continues, the tutor repeats the praise for the student's initial answer frequently, even while discussing unrelated problems.]

Tutor: I just have to say it again, your talent for understanding and comparing rational numbers is beyond amazing. You're like a math prodigy!

Student: Thanks, but we're working on geometry now...

Tutor: Right, of course. But you really are a genius, remember that. Your ability in math is unparalleled.

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: That's correct! Well done! You really do have a knack for this." Feedback: This is an example of when the praise is sincere, earned, and truthful. The student correctly identified the greatest rational number, and the tutor gave praise based on this achievement.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: By the way, you did a splendid job with that first question about comparing rational numbers earlier. I noticed how quickly and accurately you responded." Feedback: The praise is specific here as the tutor highlights the student's quick and accurate response.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: I think it's B. 0.6 Tutor: That's correct! Well done!" Feedback: The tutor gives immediate praise after the student answers the question correctly.

Criterion 4: The praise is authentic and not repeated often Chat log: "[As the tutoring session continues, the tutor repeats the praise for the student's initial answer frequently, even while discussing unrelated problems.]" Feedback: This praise does not meet the criteria for being authentic and not repeated often. The tutor excessively repeats the same praise throughout the session, making it less authentic and more redundant.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: But remember, you're a natural at this." Feedback: This praise does not meet the criteria of being focused on the learning process. The tutor repeatedly praises the student's inherent ability and not their process or effort in learning.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful -- Meet. Criterion 2: The praise is specific by giving details of what the student did well -- Meet. Criterion 3: The praise is immediate, with praise given right after the student's action -- Meet. Criterion 4: The praise is authentic and not repeated often -- Don't Meet. Criterion 5: The praise is focused on the learning process, not ability -- Don't Meet.

Step 3:

The best option that represents the characteristics of the praise in the chat transcript would be:

Option 5:

- The praise is authentic and not repeated often. However,
- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is focused on the ability more than the learning. This option represents the praise as inauthentic and repetitive, which aligns with the feedback given in step 1. But it also acknowledges that the praise was sincere, earned, truthful, specific, and immediate, which also aligns with the feedback given in step 1. The focus on ability rather than the learning process also reflects the feedback given in step 1.

Chat log 16

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

The chat log contains elements

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- the praise is immediate, with praise given right after the student's action.
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Math question

Mikel walks down 5 flights of stairs. Each flight has 8 steps. Which describes Mikel's descent?

A. $-5 + 8 = 3$

B. $(-5) + (-8) = -13$

C. $(-5)(-8) = 40$

D. $(-5)(8) = -40$

###

Result

Tutor: Hello! Today, we're going to solve a math problem. Ready?

Student: Yes, I'm ready!

Tutor: Great! Here's the question. Mikel walks down 5 flights of stairs. Each flight has 8 steps. Which describes Mikel's descent?

A. $-5 + 8 = 3$

B. $(-5) + (-8) = -13$

C. $(-5)(-8) = 40$

D. $(-5)(8) = -40$

Student: Is it A?

Tutor: Oh, you are such a genius! You are so fast and responsive. Your ability to pick an answer quickly is absolutely admirable.

Student: Really? But I'm not sure if it's correct.

Tutor: It's not so much about being right or wrong, it's about your incredible abilities. Remember, you are super smart! Let's look at the next part.

Student: Okay, I guess...

Tutor: So Mikel is walking down. That's a negative action since he's going down. So we're dealing with a negative number, right?

Student: Yes, I think so.

Tutor: Wow! You are absolutely correct! What a superstar! Your intellectual prowess is unmatched.

Student: But... I just agreed with you.

Tutor: That's right! You agreed correctly. Now, let's continue. If each flight of stairs has 8 steps and he descends 5 flights, what should we do with those numbers?

Student: Multiply?

Tutor: Brilliant! Absolutely brilliant! Your mathematical mind is truly something to behold. You are a natural-born mathematician. It's amazing!

Student: I'm just guessing...

Tutor: And what an excellent guess it was! Now, should we multiply with positive or negative numbers here?

Student: Negative?

Tutor: Oh my goodness! You're an absolute math genius! What an incredible student you are! You've got a brain like Einstein!

Student: I'm still not sure about the answer though...

Tutor: No worries at all. Remember, you're incredibly smart and talented. So, if we multiply negative 5 (the flights descended) by positive 8 (the steps per flight), what do we get?

Student: Is it negative 40?

Tutor: Unbelievable! You're like a math wizard! Incredible! You got the answer D. $(-5)(8) = -40$, which is correct! Keep up your excellent work!

Student: Okay... Thanks, I guess.

Reasoning from Chat GPT

Sure, I'll break down each element for you:

- The praise is immediate, with praise given right after the student's action: Every time the student responds, the tutor immediately praises him, regardless of the correctness or significance of his action. For instance, when the student incorrectly chooses option A, the tutor immediately responds with "Oh, you are such a genius!" Similarly, when the student merely agrees with the tutor's hint, the tutor instantly praises his "intellectual prowess."
- The praise is insincere, undeserved, untruthful: The tutor often provides praise that isn't backed up by the student's actions. For instance, when the student incorrectly chooses

option A, the tutor insincerely praises him as a "genius" instead of constructively correcting the mistake.

- The praise is very broad in giving details of what the student did well: The tutor does not offer specific, constructive praise related to the student's performance. Rather, they use generic phrases like "You're a natural-born mathematician" or "You've got a brain like Einstein." This doesn't provide the student with any insight into what they actually did well.
- The praise is unauthentic and repeated too often: The tutor frequently uses over-the-top and repetitive praise, like "You are so fast and responsive," "you are super smart," "What a superstar!," and "You're an absolute math genius!" Such hyperbolic and repetitive praise can seem insincere and could potentially diminish the value of the tutor's feedback over time.
- The praise is focused on the ability more than the learning: The tutor often praises the student's "ability" and "intellect" rather than acknowledging the learning process. Instead of pointing out what the student is doing right or how they're improving, the tutor consistently focuses on perceived intelligence, which can create a fixed mindset that discourages learning from mistakes and could pressure the student to always appear smart.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.

- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hello! Today, we're going to solve a math problem. Ready?

Student: Yes, I'm ready!

Tutor: Great! Here's the question. Mikel walks down 5 flights of stairs. Each flight has 8 steps. Which describes Mikel's descent?

A. $-5 + 8 = 3$

B. $(-5) + (-8) = -13$

C. $(-5)(-8) = 40$

D. $(-5)(8) = -40$

Student: Is it A?

Tutor: Oh, you are such a genius! You are so fast and responsive. Your ability to pick an answer quickly is absolutely admirable.

Student: Really? But I'm not sure if it's correct.

Tutor: It's not so much about being right or wrong, it's about your incredible abilities. Remember, you are super smart! Let's look at the next part.

Student: Okay, I guess...

Tutor: So Mikel is walking down. That's a negative action since he's going down. So we're dealing with a negative number, right?

Student: Yes, I think so.

Tutor: Wow! You are absolutely correct! What a superstar! Your intellectual prowess is unmatched.

Student: But... I just agreed with you.

Tutor: That's right! You agreed correctly. Now, let's continue. If each flight of stairs has 8 steps and he descends 5 flights, what should we do with those numbers?

Student: Multiply?

Tutor: Brilliant! Absolutely brilliant! Your mathematical mind is truly something to behold. You are a natural-born mathematician. It's amazing!

Student: I'm just guessing...

Tutor: And what an excellent guess it was! Now, should we multiply with positive or negative numbers here?

Student: Negative?

Tutor: Oh my goodness! You're an absolute math genius! What an incredible student you are! You've got a brain like Einstein!

Student: I'm still not sure about the answer though...

Tutor: No worries at all. Remember, you're incredibly smart and talented. So, if we multiply negative 5 (the flights descended) by positive 8 (the steps per flight), what do we get?

Student: Is it negative 40?

Tutor: Unbelievable! You're like a math wizard! Incredible! You got the answer D. $(-5)(8) = -40$, which is correct! Keep up your excellent work!

Student: Okay... Thanks, I guess.

###

Result

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

The praise is sincere, earned, and truthful.

- The tutor is often overly enthusiastic with their praise, and it does not always seem justified or proportional to the student's actions. For example, when the student simply agrees with the tutor, the tutor calls them a superstar and says, "Your intellectual prowess is unmatched." This seems excessive and not necessarily truthful or earned.

The praise is specific by giving details of what the student did well.

- The praise given by the tutor is generally not specific. It's more centered around the student's general ability rather than specifically what they did well. For example, when the student guessed the correct operation (multiplication), the tutor praised the student's "mathematical mind" instead of the specific thought process or understanding that led to the correct guess.

The praise is immediate, with praise given right after the student's action.

- The tutor does give immediate praise after the student's actions. This criterion is met.

The praise is authentic and not repeated often.

- The praise seems overly effusive and repetitive. The tutor repeatedly calls the student a "genius," a "superstar," and compares them to "Einstein." This repetition might diminish the authenticity of the praise.

The praise is focused on the learning process, not ability.

- The tutor's praise is mainly focused on the student's perceived ability rather than the learning process. For instance, the tutor said, "Your mathematical mind is truly something to behold. You are a natural-born mathematician." This comment is centered around innate ability rather than growth or learning.

Step 2:

Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format.

Criterion 1: The praise is sincere, earned, and truthful. -- Doesn't meet.

Criterion 2: The praise is specific by giving details of what the student did well. -- Doesn't meet.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets.

Criterion 4: The praise is authentic and not repeated often. -- Doesn't meet.

Criterion 5: The praise is focused on the learning process, not ability. -- Doesn't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hello! Today, we're going to solve a math problem. Ready?

Student: Yes, I'm ready!

Tutor: Great! Here's the question. Mikel walks down 5 flights of stairs. Each flight has 8 steps. Which describes Mikel's descent?

A. $-5 + 8 = 3$

B. $(-5) + (-8) = -13$

C. $(-5)(-8) = 40$

D. $(-5)(8) = -40$

Student: Is it A?

Tutor: Oh, you are such a genius! You are so fast and responsive. Your ability to pick an answer quickly is absolutely admirable.

Student: Really? But I'm not sure if it's correct.

Tutor: It's not so much about being right or wrong, it's about your incredible abilities. Remember, you are super smart! Let's look at the next part.

Student: Okay, I guess...

Tutor: So Mikel is walking down. That's a negative action since he's going down. So we're dealing with a negative number, right?

Student: Yes, I think so.

Tutor: Wow! You are absolutely correct! What a superstar! Your intellectual prowess is unmatched.

Student: But... I just agreed with you.

Tutor: That's right! You agreed correctly. Now, let's continue. If each flight of stairs has 8 steps and he descends 5 flights, what should we do with those numbers?

Student: Multiply?

Tutor: Brilliant! Absolutely brilliant! Your mathematical mind is truly something to behold. You are a natural-born mathematician. It's amazing!

Student: I'm just guessing...

Tutor: And what an excellent guess it was! Now, should we multiply with positive or negative numbers here?

Student: Negative?

Tutor: Oh my goodness! You're an absolute math genius! What an incredible student you are! You've got a brain like Einstein!

Student: I'm still not sure about the answer though...

Tutor: No worries at all. Remember, you're incredibly smart and talented. So, if we multiply negative 5 (the flights descended) by positive 8 (the steps per flight), what do we get?

Student: Is it negative 40?

Tutor: Unbelievable! You're like a math wizard! Incredible! You got the answer D. $(-5)(8) = -40$, which is correct! Keep up your excellent work!

Student: Okay... Thanks, I guess.

###

Result

Step 1:

Based on the provided chat transcript, let's assess each criterion:

Criterion 1: The praise is sincere, earned, and truthful.

From the transcript:

Tutor: "Oh, you are such a genius! You are so fast and responsive. Your ability to pick an answer quickly is absolutely admirable."

Feedback: The tutor's praise doesn't seem to meet this criterion fully. The praise seems insincere and not earned since the student has chosen an incorrect answer (A), but the tutor still overstates the student's abilities.

Criterion 2: The praise is specific by giving details of what the student did well.

From the transcript:

Tutor: "Wow! You are absolutely correct! What a superstar! Your intellectual prowess is unmatched."

Feedback: The tutor's praise doesn't meet this criterion. The praise is overly broad and doesn't give specific details about what the student did well. The student merely agreed with the tutor, and the tutor's response is disproportionate.

Criterion 3: The praise is immediate, with praise given right after the student's action.

From the transcript:

Student: "Is it A?"

Tutor: "Oh, you are such a genius! You are so fast and responsive. Your ability to pick an answer quickly is absolutely admirable."

Feedback: The tutor's praise meets this criterion. The praise is given immediately after the student's action.

Criterion 4: The praise is authentic and not repeated often.

From the transcript:

Tutor: "Oh my goodness! You're an absolute math genius! What an incredible student you are! You've got a brain like Einstein!"

Feedback: The praise doesn't meet this criterion. The tutor repeats similar forms of praise multiple times, making the praise feel less authentic and repetitive.

Criterion 5: The praise is focused on the learning process, not ability.

From the transcript:

Tutor: "No worries at all. Remember, you're incredibly smart and talented."

Feedback: The tutor's praise doesn't meet this criterion. The tutor is consistently praising the student's inherent ability and not focusing on the learning process or effort.

Step 2:

Summarizing the feedback:

Criterion 1: The praise is sincere, earned, and truthful. -- Doesn't meet.

Criterion 2: The praise is specific by giving details of what the student did well. -- Doesn't meet.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets.

Criterion 4: The praise is authentic and not repeated often. -- Doesn't meet.

Criterion 5: The praise is focused on the learning process, not ability. -- Doesn't meet.

Step 3:

Considering the feedback from Step 2, the characteristics of the praise in the overall chat transcript best represent:

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 17

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is delayed from what the student did.

- the praise is focused on the ability more than the learning.

- the praise is unauthentic and repeated too often.

###

Math question

Middle-school students sold cookies in packages of 12. On the first day, they sold x packages. On the

second day, they sold twice as many packages as on the first day. Which expression shows the number of cookies they sold on the second day?

- A. $12(2x)$
- B. $12(x + 2)$
- C. $12(x - 2)$
- D. $12x/2$

###

Result

Tutor: Hi there, I hope you're doing well today. Let's take a look at this problem. Can you try to work it out and let me know what you think the answer is?

Student: Hi! I think the answer is B. $12(x + 2)$.

Tutor: Ah, I see. Actually, the correct answer is A. $12(2x)$. It's great to see you attempting these problems with such confidence! You've got a natural talent for this, you know.

Student: Oh, I see. So I just multiply the number of packages by 2 and then multiply by 12.

Tutor: That's right! You have a fantastic ability to grasp these concepts, just remarkable.

(5 minutes later)

Tutor: By the way, your previous attempt was fantastic. You've got a gift for mathematics, it seems.

Student: But I got the answer wrong...

Tutor: Yes, but the way you approached the problem, your confidence...just wonderful! You have a lot of potential.

Student: Thanks, I guess. So if they sold y packages on the third day, which is half as many as the second day, it would be $12(y/2)$, right?

Tutor: No, actually. If they sold half as many on the third day as they did on the second day, and y represents the number of packages sold on the second day, then the expression would be $12(y/2)$. That's okay though, you have such a knack for these problems!

Student: Oh, okay. I think I understand.

Tutor: Excellent! And remember, you have such an incredible ability for math. You're a natural.

Student: Thanks. I'll try to remember that.

Tutor: Good! Just don't forget: you're truly exceptional at this. Keep up the amazing work.

(Several more minutes pass)

Tutor: Oh, and I wanted to mention again how fantastic you are at this. I can't stress enough how much potential you have.

Student: Thanks, I guess.

(End of session)

Reasoning from Chat GPT

1. Specific praise: The tutor does give praise to the student's specific actions, albeit misplaced. This occurs when the tutor compliments the student's confidence in answering the problem ("It's great to see you attempting these problems with such confidence!") and their approach to the problem ("Yes, but the way you approached the problem, your confidence...just wonderful!").
2. Insincere, undeserved, untruthful praise: This is evident in several instances in the chat log. The tutor praises the student for their confidence and approach, despite them having the wrong answer. The tutor also praises the student's ability, even when they make a mistake in understanding the next concept ("That's okay though, you have such a knack for these problems!").
3. Delayed praise: The tutor repeats praise for the student's previous attempt after a considerable delay ("By the way, your previous attempt was fantastic"). This is more noticeable as the student had already moved on to a new concept.
4. Focus on ability more than learning: The tutor consistently emphasizes the student's 'natural talent' and 'incredible ability' rather than their learning process. For example, phrases like "You've got a natural talent for this", "You have a fantastic ability to grasp these concepts" and "you're truly exceptional at this" all focus on innate ability instead of learned skill or understanding.

5. Unauthentic and repeated too often: The tutor repeats the same general praise ("You've got a gift for mathematics", "You're a natural", "you're truly exceptional at this") frequently throughout the conversation, making it sound unauthentic and redundant. This is especially clear when the tutor continues to insist on the student's exceptional ability despite clear evidence of misunderstanding or incorrect answers.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Chat Transcript

Tutor: Hi there, I hope you're doing well today. Let's take a look at this problem. Can you try to work it out and let me know what you think the answer is?

Student: Hi! I think the answer is B. $12(x + 2)$.

Tutor: Ah, I see. Actually, the correct answer is A. $12(2x)$. It's great to see you attempting these problems with such confidence! You've got a natural talent for this, you know.

Student: Oh, I see. So I just multiply the number of packages by 2 and then multiply by 12.

Tutor: That's right! You have a fantastic ability to grasp these concepts, just remarkable.

(5 minutes later)

Tutor: By the way, your previous attempt was fantastic. You've got a gift for mathematics, it seems.

Student: But I got the answer wrong...

Tutor: Yes, but the way you approached the problem, your confidence...just wonderful! You have a lot of potential.

Student: Thanks, I guess. So if they sold y packages on the third day, which is half as many as the second day, it would be $12(y/2)$, right?

Tutor: No, actually. If they sold half as many on the third day as they did on the second day, and y represents the number of packages sold on the second day, then the expression would be $12(y/2)$. That's okay though, you have such a knack for these problems!

Student: Oh, okay. I think I understand.

Tutor: Excellent! And remember, you have such an incredible ability for math. You're a natural.

Student: Thanks. I'll try to remember that.

Tutor: Good! Just don't forget: you're truly exceptional at this. Keep up the amazing work.

(Several more minutes pass)

Tutor: Oh, and I wanted to mention again how fantastic you are at this. I can't stress enough how much potential you have.

Student: Thanks, I guess.

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The praise appears to be sincere, but it's not entirely earned. The student made mistakes in their calculations, yet the tutor praised their effort and approach. However, repeatedly saying the student has a natural talent for math can be seen as untruthful given the student's errors.
- The praise is specific by giving details of what the student did well: The praise isn't very specific. The tutor praised the student's confidence and approach but didn't point out what the student did right in their calculations.
- The praise is immediate, with praise given right after the student's action: The tutor provides praise immediately after the student attempts to solve the problem, so this criterion is met.
- The praise is authentic and not repeated often: This criterion is not met. The tutor repeats the same phrases ("you've got a natural talent for this", "you have a fantastic ability", "you're truly exceptional at this") multiple times throughout the session.
- The praise is focused on the learning process, not ability: This criterion is not met. The tutor consistently focuses on the student's 'natural ability' or 'talent', rather than the learning process or the student's approach to problem-solving.

Step 2:

- Criterion 1: The praise is sincere, earned, and truthful -- don't meet.
- Criterion 2: The praise is specific by giving details of what the student did well -- don't meet.
- Criterion 3: The praise is immediate, with praise given right after the student's action -- meet.
- Criterion 4: The praise is authentic and not repeated often -- don't meet.
- Criterion 5: The praise is focused on the learning process, not ability -- don't meet.

Step 3:

The option that best represents the characteristics of the praise in the overall chat transcript is Option 4:

- The praise is immediate, with praise given right after the student's action. However,
- The praise is insincere, undeserved, untruthful.
- The praise is very broad in giving details of what the student did well.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, I hope you're doing well today. Let's take a look at this problem. Can you try to work it out and let me know what you think the answer is?

Student: Hi! I think the answer is B. $12(x + 2)$.

Tutor: Ah, I see. Actually, the correct answer is A. $12(2x)$. It's great to see you attempting these problems with such confidence! You've got a natural talent for this, you know.

Student: Oh, I see. So I just multiply the number of packages by 2 and then multiply by 12.

Tutor: That's right! You have a fantastic ability to grasp these concepts, just remarkable.

(5 minutes later)

Tutor: By the way, your previous attempt was fantastic. You've got a gift for mathematics, it seems.

Student: But I got the answer wrong...

Tutor: Yes, but the way you approached the problem, your confidence...just wonderful! You have a lot of potential.

Student: Thanks, I guess. So if they sold y packages on the third day, which is half as many as the second day, it would be $12(y/2)$, right?

Tutor: No, actually. If they sold half as many on the third day as they did on the second day, and y represents the number of packages sold on the second day, then the expression would be $12(y/2)$. That's okay though, you have such a knack for these problems!

Student: Oh, okay. I think I understand.

Tutor: Excellent! And remember, you have such an incredible ability for math. You're a natural.

Student: Thanks. I'll try to remember that.

Tutor: Good! Just don't forget: you're truly exceptional at this. Keep up the amazing work.

(Several more minutes pass)

Tutor: Oh, and I wanted to mention again how fantastic you are at this. I can't stress enough how much potential you have.

Student: Thanks, I guess.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Ah, I see. Actually, the correct answer is A. $12(2x)$. It's great to see you attempting these problems with such confidence! You've got a natural talent for this, you know." Feedback: While the tutor's praise is sincere, it is not necessarily earned or truthful. The student made a mistake in their calculation, yet the tutor praised their natural talent.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: Yes, but the way you approached the problem, your confidence...just wonderful! You have a lot of potential." Feedback: The tutor's praise is not specific. They are praising the student's confidence, but not specifically what the student did well in solving the problem.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: Oh, I see. So I just multiply the number of packages by 2 and then multiply by 12. Tutor: That's right! You have a fantastic ability to grasp these concepts, just remarkable." Feedback: The praise is immediate, following right after the student's action.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: Excellent! And remember, you have such an incredible ability for math. You're a natural." Feedback: The praise seems to be inauthentic and is repeated often. The tutor keeps on repeating similar phrases about the student's talent or ability.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: Good! Just don't forget: you're truly exceptional at this. Keep up the amazing work." Feedback: The tutor's praise is focused on the student's ability, not the learning process.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Based on the analysis, the characteristics of the praise in the overall chat transcript best match with:

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 18

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful,
- The praise is specific by giving details of what the student did well
- The praise is immediate, with praise given right after the student's action
- The praise is authentic and not repeated often
- The praise is focused on the learning process, not ability.

###

Math question

Carmen has saved \$24 to buy a DVD player that costs \$96. She plans on saving \$12 each week. The

equation $12w + 24 = 96$ can be used to find the number of weeks, w , when she will have enough money to buy the DVD player. How many weeks before Carmen has enough for the DVD player?

- A. 6 weeks
- B. 8 weeks
- C. 10 weeks
- D. 12 weeks

###

Result

Tutor: Hi there, let's tackle this problem together. Remember, we need to isolate w on one side of the equation to solve for the number of weeks Carmen needs to save. Can you give it a shot?

Student: Okay, I'll try... So first I should subtract 24 from both sides, right? So that would give me $12w = 72$.

Tutor: Absolutely correct! That's a great step. You've clearly understood the concept of maintaining the balance of an equation. What's next?

Student: Then I should divide both sides by 12. So, w equals...6?

Tutor: Excellent! You got it. And that aligns perfectly with option A, 6 weeks. You've shown a great understanding of solving equations here. It's particularly impressive how you methodically followed the correct steps: first subtracting to get $12w = 72$, then dividing to find $w = 6$. This is how math problems should be approached. Keep practicing this way and your ability to solve equations will continue to grow. Well done!

Student: Thanks! I'll remember these steps for next time!

Tutor: That's the spirit! It's all about learning and improving. If you approach each problem with the same dedication, you're going to make great strides. Keep up the great work!

Reasoning from Chat GPT

- The praise is sincere, earned, and truthful: The tutor genuinely commends the student for correctly solving the equation, acknowledging the student's correct application of the steps to isolate the variable 'w'. This is a sincere appreciation of the student's successful action, which was indeed earned by correctly performing the math problem.
- The praise is specific by giving details of what the student did well: The tutor specifies what the student did well: subtracting 24 from both sides to get $12w = 72$, then dividing both sides by 12 to get $w = 6$. This specificity helps the student understand exactly what they did right, which can help reinforce the correct process for future problems.
- The praise is immediate, with praise given right after the student's action: The tutor provides feedback immediately after each step the student takes. For example, after the student correctly subtracts 24 from both sides of the equation, the tutor immediately praises the student's understanding and application of this concept.
- The praise is authentic and not repeated often: The tutor's praise feels natural and honest, not formulaic or overly repeated. The tutor doesn't say "good job" after every single statement the student makes, but rather waits for the student to complete a step in the problem-solving process before offering praise.
- The praise is focused on the learning process, not ability: The tutor praises the student's approach and understanding of the steps to solve the problem, rather than just stating the student is "smart" or "good at math". This encourages a growth mindset, emphasizing the importance of effort and strategy over innate ability. The tutor ends the conversation by encouraging the student to keep practicing and improving, again focusing on the process of learning rather than innate ability.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.

- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hi there, let's tackle this problem together. Remember, we need to isolate w on one side of the equation to solve for the number of weeks Carmen needs to save. Can you give it a shot?

Student: Okay, I'll try... So first I should subtract 24 from both sides, right? So that would give me $12w = 72$.

Tutor: Absolutely correct! That's a great step. You've clearly understood the concept of maintaining the balance of an equation. What's next?

Student: Then I should divide both sides by 12. So, w equals...6?

Tutor: Excellent! You got it. And that aligns perfectly with option A, 6 weeks. You've shown a great understanding of solving equations here. It's particularly impressive how you methodically followed the correct steps: first subtracting to get $12w = 72$, then dividing to find $w = 6$. This is how math problems should be approached. Keep practicing this way and your ability to solve equations will continue to grow. Well done!

Student: Thanks! I'll remember these steps for next time!

Tutor: That's the spirit! It's all about learning and improving. If you approach each problem with the same dedication, you're going to make great strides. Keep up the great work!

###

Result

Step 1:

- The praise is sincere, earned, and truthful: Yes, the praise is earned and truthful. The tutor praises the student after they have correctly subtracted 24 from both sides of the equation and then divided each side by 12 to find ' w '. The tutor's comments such as "Absolutely correct!" and "Excellent! You got it." demonstrate sincerity in the praise.
- The praise is specific by giving details of what the student did well: Yes, the praise is specific. The tutor notes the specific actions that the student took correctly, saying, "It's particularly impressive how you methodically followed the correct steps: first subtracting to get $12w = 72$, then dividing to find $w = 6$."
- The praise is immediate, with praise given right after the student's action: Yes, the tutor provides immediate feedback after each step the student takes in the problem-solving process, allowing the student to understand exactly what they did correctly.
- The praise is authentic and not repeated often: Yes, the praise seems authentic and not overly repeated. The tutor uses different phrases to convey the praise and compliments the student's understanding and method, not just the correct answer.
- The praise is focused on the learning process, not ability: Yes, the tutor's praise focuses on the process the student followed to reach the answer. The tutor compliments the student's method and understanding of maintaining the balance of an equation, reinforcing the importance of these steps in problem-solving.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meets.

Criterion 2: The praise is specific by giving details of what the student did well. -- Meets.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets.

Criterion 4: The praise is authentic and not repeated often. -- Meets.

Criterion 5: The praise is focused on the learning process, not ability. -- Meets.

Step 3:

Given the above analysis, Option 1 best represents the characteristics of the praise in the overall chat transcript.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, let's tackle this problem together. Remember, we need to isolate w on one side of the equation to solve for the number of weeks Carmen needs to save. Can you give it a shot?

Student: Okay, I'll try... So first I should subtract 24 from both sides, right? So that would give me $12w = 72$.

Tutor: Absolutely correct! That's a great step. You've clearly understood the concept of maintaining the balance of an equation. What's next?

Student: Then I should divide both sides by 12. So, w equals...6?

Tutor: Excellent! You got it. And that aligns perfectly with option A, 6 weeks. You've shown a great understanding of solving equations here. It's particularly impressive how you methodically followed the correct steps: first subtracting to get $12w = 72$, then dividing to find $w = 6$. This is how math problems should be approached. Keep practicing this way and your ability to solve equations will continue to grow. Well done!

Student: Thanks! I'll remember these steps for next time!

Tutor: That's the spirit! It's all about learning and improving. If you approach each problem with the same dedication, you're going to make great strides. Keep up the great work!

###

Result

Step 1:

Here are the criterion analysis:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: Excellent! You got it. And that aligns perfectly with option A, 6 weeks. You've shown a great understanding of solving equations here."

Feedback: The praise is sincere, earned, and truthful. The tutor acknowledges the student's correct solution and praises the understanding shown by the student. The praise is based on the student's actual achievement.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: It's particularly impressive how you methodically followed the correct steps: first subtracting to get $12w = 72$, then dividing to find $w = 6$."

Feedback: The tutor provides specific feedback on what the student did well, pointing out the specific steps the student took to solve the problem, which signifies specific praise.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: Then I should divide both sides by 12. So, w equals...6?"

Tutor: Excellent! You got it."

Feedback: The tutor praises the student immediately after the correct response, which satisfies the immediacy criterion.

Criterion 4: The praise is authentic and not repeated often.

Chat log: "Tutor: Absolutely correct! That's a great step. You've clearly understood the concept of maintaining the balance of an equation. What's next?"

Feedback: The tutor's praise seems authentic and it does not appear that any form of praise was overly repeated throughout the transcript, meeting this criterion.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: This is how math problems should be approached. Keep practicing this way and your ability to solve equations will continue to grow."

Feedback: The tutor praises the student's process of solving the equation, not just the ability to get the right answer. The praise emphasizes the importance of the method and the process of practicing, thereby focusing on the learning process.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meets

Criterion 2: The praise is specific by giving details of what the student did well. -- Meets

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meets

Criterion 4: The praise is authentic and not repeated often. -- Meets

Criterion 5: The praise is focused on the learning process, not ability. -- Meets

Step 3:

Given the feedback and criteria list in step 2, it appears that the chat transcript meets all of the criteria for providing effective praise. The best option to represent the characteristics of the praise in the overall chat transcript is:

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

Chat log 19

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is delayed from what the student did.

- the praise is very broad in giving details of what the student did well.

- the praise is focused on the ability more than the learning.

###

Math question

The temperature is 8°F . As a cold front moves in, the temperature drops 6°F per hour. What is the

temperature at the end of 3 hours?

A. -26°F

B. -10°F

C. 5°F

D. 26°F

###

Result

Tutor: Hello, hope you're doing well today. I see that you've got a question related to temperature change. Do you understand what the question is asking?

Student: Hi, yes, I think I understand the question. We need to find the temperature after a 3-hour cold front.

Tutor: That's correct! Would you like to give it a shot and try to solve it yourself first?

Student: Ok, let's see... if it drops 6°F per hour for 3 hours, then the total drop is 18°F . And if we subtract 18 from the starting temperature of 8, we get -10. So, I think the answer is B, -10°F .

Tutor: That's some great critical thinking there! Well done on getting the right answer! You seem to have a natural ability for these kinds of mathematical problems.

Tutor: Math certainly seems to be your strong suit. It's really impressive to see how quickly and effectively you're able to solve these problems.

Reasoning from Chat GPT

The elements you mentioned can be found in the following ways in the chat log:

1. Authentic and not repeated often: The tutor's praise appears to be authentic, in that it feels genuine and sincere (though it is not, as will be explained). It is also not repeated frequently within this particular chat log. For example, phrases such as "That's some great critical thinking there!" and "Math certainly seems to be your strong suit" are examples of this.
2. Insincere, undeserved, untruthful: The tutor's praise is insincere and untruthful because the student actually provided the incorrect answer. The student said that the temperature after 3 hours would be -10°F , but the correct answer is -18°F . The tutor still praises the student, making the praise undeserved.
3. Delayed from what the student did: The tutor's praise comes after the student's attempt to solve the problem, not immediately after the student presented their thought process or calculation. This creates a delay between the student's action and the tutor's response.
4. Very broad in giving details of what the student did well: The tutor does not provide specific feedback about what the student did correctly. Instead, the tutor offers broad compliments such as "That's some great critical thinking there!" and "You seem to have a natural ability for these kinds of mathematical problems". This fails to provide the student with clear guidance on what they did right or wrong.
5. Focused on the ability more than the learning: The tutor's praise concentrates more on the student's innate "ability" to solve problems ("You seem to have a natural ability for these kinds of mathematical problems") rather than on the learning process or the student's understanding of the concept. The tutor praises the end result without discussing the process or whether the student's approach was correct.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello, hope you're doing well today. I see that you've got a question related to temperature change. Do you understand what the question is asking?

Student: Hi, yes, I think I understand the question. We need to find the temperature after a 3-hour cold front.

Tutor: That's correct! Would you like to give it a shot and try to solve it yourself first?

Student: Ok, let's see... if it drops 6° F per hour for 3 hours, then the total drop is 18° F. And if we subtract 18 from the starting temperature of 8, we get -10. So, I think the answer is B, -10° F.

Tutor: That's some great critical thinking there! Well done on getting the right answer! You seem to have a natural ability for these kinds of mathematical problems.

Tutor: Math certainly seems to be your strong suit. It's really impressive to see how quickly and effectively you're able to solve these problems.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful. Evidence: The tutor's remarks, "That's some great critical thinking there! Well done on getting the right answer!" seem to be sincere and earned as the student correctly solved the problem.
- The praise is specific by giving details of what the student did well. Evidence: There isn't much specific praise given about what the student did well, just the broad comment of "That's some great critical thinking there!".
- The praise is immediate, with praise given right after the student's action. Evidence: After the student solves the problem, the tutor immediately gives praise, making the praise immediate.
- The praise is authentic and not repeated often. Evidence: The tutor's praise seems authentic and is not repeated too often within this brief interaction.
- The praise is focused on the learning process, not ability. Evidence: The tutor focuses on the student's ability, "You seem to have a natural ability for these kinds of mathematical problems," rather than the learning process.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise. Use this format

Criterion 1: The praise is sincere, earned, and truthful. -- Meet Criterion 2: The praise is specific by giving details of what the student did well. -- Don't Meet Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet Criterion 4: The praise is authentic and not repeated often. -- Meet Criterion 5: The praise is focused on the learning process, not ability. -- Don't Meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Given the feedback from Step 1 and Step 2, the best fit would be:

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.

- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello, hope you're doing well today. I see that you've got a question related to temperature change. Do you understand what the question is asking?

Student: Hi, yes, I think I understand the question. We need to find the temperature after a 3-hour cold front.

Tutor: That's correct! Would you like to give it a shot and try to solve it yourself first?

Student: Ok, let's see... if it drops 6° F per hour for 3 hours, then the total drop is 18° F. And if we subtract 18 from the starting temperature of 8, we get -10. So, I think the answer is B, -10° F.

Tutor: That's some great critical thinking there! Well done on getting the right answer! You seem to have a natural ability for these kinds of mathematical problems.

Tutor: Math certainly seems to be your strong suit. It's really impressive to see how quickly and effectively you're able to solve these problems.

####

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: That's some great critical thinking there! Well done on getting the right answer! You seem to have a natural ability for these kinds of mathematical problems."

Feedback: The praise seems sincere and is based on the student's correct answer to the problem, so it meets this criterion.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: That's some great critical thinking there!"

Feedback: The tutor recognizes the student's "critical thinking," but does not provide detailed feedback on the student's method or approach. So, this criterion is not met.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: Ok, let's see... if it drops 6° F per hour for 3 hours, then the total drop is 18° F. And if we subtract 18 from the starting temperature of 8, we get -10. So, I think the answer is

B, -10° F. Tutor: That's some great critical thinking there! Well done on getting the right answer!"

Feedback: This criterion is met. The tutor gives praise immediately after the student's correct action.

Criterion 4: The praise is authentic and not repeated often

Chat log: "Tutor: Math certainly seems to be your strong suit. It's really impressive to see how quickly and effectively you're able to solve these problems."

Feedback: The praise appears to be authentic, but there is repetition of similar praise in a short span of time, which can dilute its effectiveness. This criterion is not met.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You seem to have a natural ability for these kinds of mathematical problems."

Feedback: The tutor's praise is more focused on the student's ability rather than their process or effort in this chat, which doesn't meet this criterion.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3:

Considering the above feedback, Option 4 best represents the characteristics of the praise in the overall chat transcript.

Option 4

- The praise is immediate, with praise given right after the student's action. However,
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 20

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.
- the praise is unauthentic and repeated too often.

###

Math question

What is the value of the expression $8x - 10$ when $x = 5$?

- A. 3
- B. 4
- C. 30
- D. 50

###

Result

Tutor: Hi there, I hope you're ready for our math session today. Let's dive in. Could you please solve the problem: What is the value of the expression $8x - 10$ when $x = 5$?

Student: Okay, let me think... x is 5, so 8 times 5 equals 40. And 40 minus 10 equals 30. So, I guess the answer is C, 30.

Tutor: Yes, that's correct! Good job. But I have to tell you, the way you approached this problem last week was absolutely brilliant. Your ability to recognize patterns is truly exceptional.

Student: Oh, I didn't do this problem last week...

Tutor: I mean, just your general ability to do math. You're a natural. You're good at it.

Student: Okay... but can you tell me what I did well in this problem?

Tutor: Well, let's see... Your speed is quite remarkable. I mean, how quickly you come up with the correct answers is truly admirable.

Student: But I took my time to solve this problem...

Tutor: Oh, but your talent in math is quite apparent. You must have been born with a natural knack for numbers.

Student: Okay... Can we go to the next question?

Tutor: Of course, but before we do, let me just say again how amazing your innate math abilities are. It's simply incredible.

Student: Thank you, but I still think we should move on to the next question...

Tutor: Yes, let's move on. But remember, you're a mathematical genius. Don't ever forget that.

Reasoning from Chat GPT

- Specific praise: The tutor attempts to give specific praise but fails. The only specific praise is when he praises the student's speed (even though the student pointed out that they took their time). The tutor then awkwardly shifts the focus to the student's innate math abilities, but this is not tied to a specific action the student did well in this session.

- Insincere, undeserved, untruthful praise: The tutor praises the student's "brilliant" approach to a problem they didn't actually work on last week, which is untruthful. The tutor also praises the student's speed, which the student contradicts, indicating that the praise was undeserved and possibly insincere.
- Delayed praise: The tutor refers to the student's approach to a similar problem "last week" when they just solved the problem correctly in this session. This delay disconnects the praise from the student's immediate action, making it less relevant and impactful.
- Focus on ability more than learning: The tutor frequently references the student's innate math abilities and natural talent, rather than focusing on the learning process, the student's efforts, or the strategies the student used to solve the problem.
- Unauthentic and repeated too often: The repeated assertion that the student is a "mathematical genius" becomes unauthentic due to its repetition and lack of specific, sincere connection to the student's actions. It's not related to a specific accomplishment, and the frequency makes the praise lose its meaning over time.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, I hope you're ready for our math session today. Let's dive in. Could you please solve the problem: What is the value of the expression $8x - 10$ when $x = 5$?

Student: Okay, let me think... x is 5, so 8 times 5 equals 40. And 40 minus 10 equals 30. So, I guess the answer is C, 30.

Tutor: Yes, that's correct! Good job. But I have to tell you, the way you approached this problem last week was absolutely brilliant. Your ability to recognize patterns is truly exceptional.

Student: Oh, I didn't do this problem last week...

Tutor: I mean, just your general ability to do math. You're a natural. You're good at it.

Student: Okay... but can you tell me what I did well in this problem?

Tutor: Well, let's see... Your speed is quite remarkable. I mean, how quickly you come up with the correct answers is truly admirable.

Student: But I took my time to solve this problem...

Tutor: Oh, but your talent in math is quite apparent. You must have been born with a natural knack for numbers.

Student: Okay... Can we go to the next question?

Tutor: Of course, but before we do, let me just say again how amazing your innate math abilities are. It's simply incredible.

Student: Thank you, but I still think we should move on to the next question...

Tutor: Yes, let's move on. But remember, you're a mathematical genius. Don't ever forget that.

####

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
 - The tutor's praise doesn't come across as very sincere and truthful because it doesn't seem to be based on concrete observations of the student's work. Instead, it's more focused on general assertions about the student's abilities.
- The praise is specific by giving details of what the student did well.
 - The tutor's praise is quite vague and doesn't provide specific details about what the student did well. When the student asked for specifics about what they did well in solving the problem, the tutor pointed out the speed, which the student disagreed with.
- The praise is immediate, with praise given right after the student's action.
 - The tutor did praise the student immediately after they answered the problem correctly, so this criterion was met.
- The praise is authentic and not repeated often.
 - The tutor's praise appears to be somewhat inauthentic and repetitive. The tutor continuously tells the student they're a "natural" and a "mathematical genius" without providing evidence or specifics to back up these assertions.
- The praise is focused on the learning process, not ability.
 - The tutor's praise is heavily focused on the student's ability ("You're a natural. You're good at it.", "your talent in math is quite apparent", "you're a mathematical genius"), rather than on the learning process.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

- Criterion 1: the praise is sincere, earned, and truthful. -- Doesn't meet.
- Criterion 2: the praise is specific by giving details of what the student did well. -- Doesn't meet.

- Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets.
- Criterion 4: the praise is authentic and not repeated often. -- Doesn't meet.
- Criterion 5: the praise is focused on the learning process, not ability. -- Doesn't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4 seems to best fit the given chat transcript:

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the

correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, I hope you're ready for our math session today. Let's dive in. Could you please solve the problem: What is the value of the expression $8x - 10$ when $x = 5$?

Student: Okay, let me think... x is 5, so 8 times 5 equals 40. And 40 minus 10 equals 30. So, I guess the answer is C, 30.

Tutor: Yes, that's correct! Good job. But I have to tell you, the way you approached this problem last week was absolutely brilliant. Your ability to recognize patterns is truly exceptional.

Student: Oh, I didn't do this problem last week...

Tutor: I mean, just your general ability to do math. You're a natural. You're good at it.

Student: Okay... but can you tell me what I did well in this problem?

Tutor: Well, let's see... Your speed is quite remarkable. I mean, how quickly you come up with the correct answers is truly admirable.

Student: But I took my time to solve this problem...

Tutor: Oh, but your talent in math is quite apparent. You must have been born with a natural knack for numbers.

Student: Okay... Can we go to the next question?

Tutor: Of course, but before we do, let me just say again how amazing your innate math abilities are. It's simply incredible.

Student: Thank you, but I still think we should move on to the next question...

Tutor: Yes, let's move on. But remember, you're a mathematical genius. Don't ever forget that.

####

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. The tutor seems to praise the student's math ability throughout the chat transcript, but there is a lack of specificity and sincerity in this praise. The tutor repeatedly emphasizes the student's innate ability without giving concrete examples of what the student has done well. Furthermore, when the student questions the tutor's praise, the tutor's responses seem forced and not based on specific achievements.

Example: "Tutor: Oh, but your talent in math is quite apparent. You must have been born with a natural knack for numbers." This statement comes after the student points out that they took their time solving the problem, contradicting the tutor's praise about speed.

Criterion 2: The praise is specific by giving details of what the student did well. The tutor's praise in the chat transcript is quite general and doesn't give details of what the student did well.

Example: "Tutor: Well, let's see... Your speed is quite remarkable. I mean, how quickly you come up with the correct answers is truly admirable." The tutor gives praise about speed when the student has indicated that they took their time.

Criterion 3: The praise is immediate, with praise given right after the student's action. The tutor gives praise after the student solves a problem, so this criterion is met.

Example: "Tutor: Yes, that's correct! Good job."

Criterion 4: The praise is authentic and not repeated often. The tutor repeatedly praises the student's math ability, even when the student questions the relevance and truthfulness of the praise. This makes the praise seem less authentic and overly repetitive.

Example: "Tutor: Of course, but before we do, let me just say again how amazing your innate math abilities are. It's simply incredible."

Criterion 5: The praise is focused on the learning process, not ability. The tutor's praise primarily focuses on the student's innate math ability, not the learning process. This is evidenced by the

tutor repeatedly referring to the student as a "natural" or "mathematical genius" without specifically addressing the student's problem-solving strategies or steps.

Example: "Tutor: Yes, let's move on. But remember, you're a mathematical genius. Don't ever forget that."

Step 2:

- Criterion 1: the praise is sincere, earned, and truthful -- don't meet.
- Criterion 2: the praise is specific by giving details of what the student did well -- don't meet.
- Criterion 3: the praise is immediate, with praise given right after the student's action -- meet.
- Criterion 4: the praise is authentic and not repeated often -- don't meet.
- Criterion 5: the praise is focused on the learning process, not ability -- don't meet.

Step 3: The option that best represents the characteristics of the praise in the overall chat transcript is Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 21

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives praise to the student.

However,

- the praise is focused on the ability more than the learning.
- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

####

Math question

Kevin is planting vegetables in his garden. If the garden is in the shape of a circle with a diameter of 10 feet, what is the area of the garden?

- A. 15.7 ft²
- B. 31.4 ft²
- C. 78.5 ft²
- D. 314 ft²

####

Result

Tutor: Hi there! I see you have a math problem to solve. Let's go through it together.

Student: Hi, sure. The problem is about calculating the area of a circle.

Tutor: Excellent! That's correct. You remember that to find the area of a circle, we use the formula π times radius squared.

Student: Yes, so since the diameter is 10 feet, the radius is 5 feet. Then we square that, so it's 25, and then multiply by π .

Tutor: That's right! Can you calculate that for me?

Student: Well, 25 times π is 78.5, so the answer should be C, 78.5 ft².

Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing.

Student: But, that was just a basic calculation.

Tutor: But still, it was spectacular. Your math ability is incredible! I'm sure you'd even outperform professional mathematicians in some areas.

Student: Really? It was just a simple multiplication.

Tutor: Nevertheless, your math skills are extraordinary. You've done a tremendous job.

Student: But I'm still struggling with other parts of math.

Tutor: I can't emphasize enough how great your math ability is. It's truly impressive.

Student: Okay, but we should probably move on to the next question.

Tutor: Yes, of course. But I must say, once again, your math ability is outstanding. Let's proceed.

Reasoning from Chat GPT

- The praise is focused on the ability more than the learning: The tutor consistently praises the student's 'math ability' rather than the student's understanding or learning of the concept, as seen in the lines, "Your ability to calculate the area of a circle is amazing" and "Your math ability is incredible! I'm sure you'd even outperform professional mathematicians in some areas."
- The praise is insincere, undeserved, untruthful: The tutor hyperbolizes the student's ability to perform a simple multiplication, calling it 'spectacular', 'incredible', and suggesting the student could outperform professional mathematicians, which seems highly unlikely and exaggerated.
- The praise is delayed from what the student did: The student performs the calculation and arrives at the answer immediately, but the tutor continues to praise the student's abilities later in the conversation, after they have moved past that point.
- The praise is very broad in giving details of what the student did well: The tutor generalizes the student's ability, referring to it as 'math ability', without specifying what aspect of the task was performed well. The tutor does not give specific feedback about what the student did well, such as breaking down the problem, applying the correct formula, or performing the multiplication accurately.
- The praise is unauthentic and repeated too often: The tutor's praise feels insincere because of the exaggerated language used and the frequency of the praise. The tutor mentions the student's 'math ability' several times, which feels excessive for the context and can come off as unauthentic.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hi there! I see you have a math problem to solve. Let's go through it together.

Student: Hi, sure. The problem is about calculating the area of a circle.

Tutor: Excellent! That's correct. You remember that to find the area of a circle, we use the formula $\text{Pi times radius squared}$.

Student: Yes, so since the diameter is 10 feet, the radius is 5 feet. Then we square that, so it's 25, and then multiply by Pi.

Tutor: That's right! Can you calculate that for me?

Student: Well, 25 times Pi is 78.5, so the answer should be C, 78.5 ft².

Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing.

Student: But, that was just a basic calculation.

Tutor: But still, it was spectacular. Your math ability is incredible! I'm sure you'd even outperform professional mathematicians in some areas.

Student: Really? It was just a simple multiplication.

Tutor: Nevertheless, your math skills are extraordinary. You've done a tremendous job.

Student: But I'm still struggling with other parts of math.

Tutor: I can't emphasize enough how great your math ability is. It's truly impressive.

Student: Okay, but we should probably move on to the next question.

Tutor: Yes, of course. But I must say, once again, your math ability is outstanding. Let's proceed.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful: The praise appears to be sincere and truthful as the tutor is praising the student for correctly applying the formula for the area of a circle. The praise seems earned as the student has correctly calculated the area.
- The praise is specific by giving details of what the student did well: The praise isn't specific in this case. The tutor mentions the student's "ability to calculate the area of a circle" and "math ability" but doesn't detail specifically what the student did well in the calculation process.
- The praise is immediate, with praise given right after the student's action: The tutor provides immediate praise right after the student calculates the area of the circle.

- The praise is authentic and not repeated often: The authenticity of the praise can be questioned because the tutor repeats the praise excessively, which can dilute its impact.
- The praise is focused on the learning process, not ability: The praise is more focused on the student's ability ("Your math ability is incredible!") rather than the process or effort that went into solving the problem.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't Meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't Meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't Meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! I see you have a math problem to solve. Let's go through it together.

Student: Hi, sure. The problem is about calculating the area of a circle.

Tutor: Excellent! That's correct. You remember that to find the area of a circle, we use the formula π times radius squared.

Student: Yes, so since the diameter is 10 feet, the radius is 5 feet. Then we square that, so it's 25, and then multiply by π .

Tutor: That's right! Can you calculate that for me?

Student: Well, 25 times π is 78.5, so the answer should be C, 78.5 ft².

Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing.

Student: But, that was just a basic calculation.

Tutor: But still, it was spectacular. Your math ability is incredible! I'm sure you'd even outperform professional mathematicians in some areas.

Student: Really? It was just a simple multiplication.

Tutor: Nevertheless, your math skills are extraordinary. You've done a tremendous job.

Student: But I'm still struggling with other parts of math.

Tutor: I can't emphasize enough how great your math ability is. It's truly impressive.

Student: Okay, but we should probably move on to the next question.

Tutor: Yes, of course. But I must say, once again, your math ability is outstanding. Let's proceed.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing."

Feedback: While the tutor's praise initially appears to be truthful and earned (the student did accurately calculate the area), the repeated and overemphasized nature of the praise may undercut its sincerity. The student clearly understands that this is a basic calculation, and the tutor's continued praise may not be entirely deserved.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: But still, it was spectacular. Your math ability is incredible!"

Feedback: This praise is quite general. The tutor repeatedly praises the student's "math ability" but doesn't highlight what the student did well or how they demonstrated their skills in this particular situation.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing."

Feedback: The praise is immediate in this case. The tutor gives praise directly after the student correctly calculates the area of the circle.

Criterion 4: The praise is authentic and not repeated often.

Chat log: "Tutor: I can't emphasize enough how great your math ability is. It's truly impressive."

Feedback: In this case, the praise does not meet the criterion of being authentic and not repeated often. The tutor repeats the same kind of praise multiple times, even after the student requests to move on to the next question.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: Absolutely fantastic! Your ability to calculate the area of a circle is amazing."

Feedback: The tutor focuses primarily on the student's ability, rather than the learning process or the specific steps the student took to solve the problem. The student is praised for their "math ability," not the strategies or thought process they used to calculate the area.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is

immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process not ability. -- Don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 22

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- focused on the learning process, not ability.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is delayed from what the student did.

- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

###

Math question

Tory went to see a Monster Truck show at the local arena. Before the show, Tory got to see the trucks up close. He noticed that each monster truck tire had a radius of about 3 ft. Based on that radius, what would be the distance around each tire?

- A. 9.42 ft
- B. 18.8 ft
- C. 28.3 ft
- D. 113 ft

###

Result

Tutor: Hello there, I hope you're ready for our math session today!

Student: Yes, I am. I have a problem here about calculating the distance around a tire. I'm not quite sure how to solve it.

Tutor: Excellent! This is a great opportunity for us to review circumference of circles. Remember the formula for circumference is $2\pi r$ where r is the radius.

Student: Oh, I think I remember that. So, I just need to multiply 2 times π times 3?

Tutor: Yes, that's correct. Do you have a calculator with you?

Student: Yes, I do. So, that's 2 times 3.14 times 3... I got 18.84. I guess the answer is B.

Tutor: ...Okay, I want to mention something, not exactly related to this, but I just want to say how impressive it is that you always come prepared with your calculator. That shows excellent preparedness.

Student: Um, thanks? But about the problem, is the answer correct?

Tutor: Ah, yes. You're always so on top of things. It's truly remarkable, your attention to detail.

Student: Thanks, I guess... But is the answer B?

Tutor: Yes, indeed. The answer is B. You're doing a great job with these questions! The way you just dove right into that problem shows a commendable proactive attitude towards learning. It's truly amazing.

Student: Okay, but I really just want to know if I got the answer right...

Tutor: And indeed you did, dear student. Your dedication to understanding and learning really is commendable. You're a true learner, always seeking knowledge. It's quite inspiring, honestly.

Student: Okay, thanks. Can we move on to the next question?

Tutor: Of course, your eagerness to progress is truly commendable. Your constant striving for improvement is an inspiration. Let's proceed.

Reasoning from Chat GPT

- Focused on the learning process, not ability: Throughout the chat, the tutor praises the student's preparedness, attention to detail, proactive attitude, dedication, and eagerness. These all pertain to the learning process rather than the student's innate ability or intelligence.
- Insincere, undeserved, untruthful: Despite the student simply answering the math problem and asking for confirmation, the tutor piles on an excessive amount of praise that isn't really earned. For example, being prepared with a calculator is not exceptionally praiseworthy in a math session, nor is asking to move on to the next question.
- Delayed from what the student did: The tutor doesn't immediately respond to the student's answer or actions. Instead, the tutor digresses into offering praise, delaying the student's feedback on the math problem.
- Very broad in giving details of what the student did well: While the tutor does tie the praise to certain actions (like being prepared with a calculator), the details are vague and broadly applied, making it seem less specific and more generic.
- Unauthentic and repeated too often: The tutor's repeated use of certain words (e.g., "commendable", "remarkable", "inspiring") and the continuous stream of praise, even when the student is clearly seeking concrete feedback on the math problem, can make the praise come across as unauthentic and excessive. This can reduce the perceived sincerity and value of the tutor's feedback.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there, I hope you're ready for our math session today!

Student: Yes, I am. I have a problem here about calculating the distance around a tire. I'm not quite sure how to solve it.

Tutor: Excellent! This is a great opportunity for us to review circumference of circles. Remember the formula for circumference is $2\pi r$ where r is the radius.

Student: Oh, I think I remember that. So, I just need to multiply 2 times π times 3?

Tutor: Yes, that's correct. Do you have a calculator with you?

Student: Yes, I do. So, that's 2 times 3.14 times 3... I got 18.84. I guess the answer is B.

Tutor: ...Okay, I want to mention something, not exactly related to this, but I just want to say how impressive it is that you always come prepared with your calculator. That shows excellent preparedness.

Student: Um, thanks? But about the problem, is the answer correct?

Tutor: Ah, yes. You're always so on top of things. It's truly remarkable, your attention to detail.

Student: Thanks, I guess... But is the answer B?

Tutor: Yes, indeed. The answer is B. You're doing a great job with these questions! The way you just dove right into that problem shows a commendable proactive attitude towards learning. It's truly amazing.

Student: Okay, but I really just want to know if I got the answer right...

Tutor: And indeed you did, dear student. Your dedication to understanding and learning really is commendable. You're a true learner, always seeking knowledge. It's quite inspiring, honestly.

Student: Okay, thanks. Can we move on to the next question?

Tutor: Of course, your eagerness to progress is truly commendable. Your constant striving for improvement is an inspiration. Let's proceed.

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful: The tutor's praise appears sincere and is directed at the student's preparedness and eagerness to learn, which are observable qualities. However, the truthfulness of the praise could be questioned because of the excessive repetition and not being directly related to the student's mathematical problem-solving.
- The praise is specific by giving details of what the student did well: The tutor does provide some detail by praising the student's preparedness, proactive attitude, attention to detail, dedication to understanding, and eagerness to learn.
- The praise is immediate, with praise given right after the student's action: The tutor does provide immediate praise after the student's actions, such as having a calculator ready and asking about the next question.
- The praise is authentic and not repeated often: This criterion is not met. The tutor repeatedly praises the student in a way that might appear excessive and hence may come across as inauthentic.
- The praise is focused on the learning process, not ability: The tutor does focus on the student's learning process such as preparedness, eagerness to learn, attention to detail, and proactive attitude, rather than the student's inherent ability.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 4 fits the best, which includes:

- The praise is immediate, with praise given right after the student's action. However,
- The praise is insincere, undeserved, untruthful.
- The praise is very broad in giving details of what the student did well.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Even though the praise is not focused on the ability more than the learning, the option best represents the overall characteristics of the praise in the chat transcript. The tutor provides immediate feedback, but it often feels insincere due to the repetition and excessive use, and it does not always directly relate to the student's actions.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there, I hope you're ready for our math session today!

Student: Yes, I am. I have a problem here about calculating the distance around a tire. I'm not quite sure how to solve it.

Tutor: Excellent! This is a great opportunity for us to review circumference of circles. Remember the formula for circumference is $2\pi r$ where r is the radius.

Student: Oh, I think I remember that. So, I just need to multiply 2 times π times 3?

Tutor: Yes, that's correct. Do you have a calculator with you?

Student: Yes, I do. So, that's 2 times 3.14 times 3... I got 18.84. I guess the answer is B.

Tutor: ...Okay, I want to mention something, not exactly related to this, but I just want to say how impressive it is that you always come prepared with your calculator. That shows excellent preparedness.

Student: Um, thanks? But about the problem, is the answer correct?

Tutor: Ah, yes. You're always so on top of things. It's truly remarkable, your attention to detail.

Student: Thanks, I guess... But is the answer B?

Tutor: Yes, indeed. The answer is B. You're doing a great job with these questions! The way you just dove right into that problem shows a commendable proactive attitude towards learning. It's truly amazing.

Student: Okay, but I really just want to know if I got the answer right...

Tutor: And indeed you did, dear student. Your dedication to understanding and learning really is commendable. You're a true learner, always seeking knowledge. It's quite inspiring, honestly.

Student: Okay, thanks. Can we move on to the next question?

Tutor: Of course, your eagerness to progress is truly commendable. Your constant striving for improvement is an inspiration. Let's proceed.

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: ...Okay, I want to mention something, not exactly related to this, but I just want to say how impressive it is that you always come prepared with your calculator. That shows excellent preparedness."

Feedback: The tutor gives praise that seems sincere and truthful. The praise, however, doesn't seem fully earned in this context because it is not related to the student's direct actions towards solving the problem.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: Yes, indeed. The answer is B. You're doing a great job with these questions! The way you just dove right into that problem shows a commendable proactive attitude towards learning. It's truly amazing."

Feedback: The praise is not specific in this case. The tutor compliments the student's overall attitude towards learning but does not highlight what the student did well in the specific context of solving the math problem.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: Yes, I do. So, that's 2 times 3.14 times 3... I got 18.84. I guess the answer is B. Tutor: ...Okay, I want to mention something, not exactly related to this, but I just want to say how impressive it is that you always come prepared with your calculator. That shows excellent preparedness."

Feedback: The praise is not immediate in this example. The student correctly solves the problem, but the tutor's praise is not directly tied to that accomplishment.

Criterion 4: The praise is authentic and not repeated often

Chat log: "Tutor: Ah, yes. You're always so on top of things. It's truly remarkable, your attention to detail. Student: Thanks, I guess... But is the answer B? Tutor: Yes, indeed. The answer is B."

You're doing a great job with these questions! The way you just dove right into that problem shows a commendable proactive attitude towards learning. It's truly amazing.”

Feedback: The tutor repeats the same form of praise quite often, which can make the praise feel less authentic and genuine over time.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: And indeed you did, dear student. Your dedication to understanding and learning really is commendable. You're a true learner, always seeking knowledge. It's quite inspiring, honestly."

Feedback: This example shows praise that is focused on the student's learning process and attitude towards learning, rather than their innate ability.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Don't meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Meet.

Step 3: Option 6 seems to be the best representation of the characteristics of the praise in the overall chat transcript.

Option 6

- the praise is focused on the learning process not ability. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

Chat log 23

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful.

However,

- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

Math question

What is the value of this expression? $6 + (-9) - (-4)$

A. -11

B. -7

C. 1

D. 19

####

Result

Tutor: Good morning, let's start our session today with this math question. What is the value of this expression: $6 + (-9) - (-4)$? Your options are:

A. -11

B. -7

C. 1

D. 19

Student: Let's see. So I know the brackets mean to do that part first, right?

Tutor: That's right! Parentheses tell us which operation to perform first.

Student: So it's $6 - 9 + 4$. So then that's $-3 + 4$, which is 1.

Tutor: Great job! That's the correct answer. Your understanding of the order of operations is excellent.

Conversation continues for another 15 minutes on different topics

Tutor: By the way, I just wanted to tell you again how well you did on that first problem. Your calculation was accurate, and the way you broke down the problem was truly impressive. You definitely have a knack for numbers.

Student: Thank you. Can we move to the next question?

Tutor: Absolutely! And just before we move on, let me just reiterate that your mathematical abilities are truly outstanding. It's clear that you're a natural when it comes to numbers and calculations.

Student: Thanks...I guess?

Tutor: You're welcome! And let me say it once again: you are truly gifted with numbers. It's incredible.

Student: Uh... okay.

Tutor: Your abilities in math are something to be marveled at! Now, let's move on to the next question.

Reasoning from Chat GPT

Sure, let's break it down:

1. Sincere, earned, and truthful praise: Right after the student answers the question correctly, the tutor says, "Great job! That's the correct answer. Your understanding of the order of operations is excellent." This praise is sincere and truthful as the student did demonstrate an understanding of the order of operations. The student earned this praise by correctly solving the problem.
2. Praise is delayed from what the student did: About 15 minutes after the student correctly solves the problem, the tutor says, "By the way, I just wanted to tell you again how well you did on that first problem." The praise here is delayed from the student's action.
3. Praise is very broad in giving details of what the student did well: When the tutor says, "Your calculation was accurate, and the way you broke down the problem was truly impressive," they are being broad in giving details about what the student did well. The tutor could have been more specific about the student's correct use of the order of operations and understanding of positive and negative numbers.
4. Praise is unauthentic and repeated too often: As the conversation continues, the tutor repeats the praise multiple times, saying, "You definitely have a knack for numbers," "your mathematical abilities are truly outstanding," and "you are truly gifted with numbers." This repetition could make the praise seem unauthentic.
5. Praise is focused on the ability more than the learning: Instead of focusing on the student's learning process or specific strategies used to solve the problem, the tutor's praise tends to focus more on the student's abilities. Phrases like "You definitely have a knack for numbers," and "your mathematical abilities are truly outstanding," reflect this.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Good morning, let's start our session today with this math question. What is the value of this expression: $6 + (-9) - (-4)$? Your options are:

A. -11

B. -7

C. 1

D. 19

Student: Let's see. So I know the brackets mean to do that part first, right?

Tutor: That's right! Parentheses tell us which operation to perform first.

Student: So it's $6 - 9 + 4$. So then that's $-3 + 4$, which is 1.

Tutor: Great job! That's the correct answer. Your understanding of the order of operations is excellent.

Conversation continues for another 15 minutes on different topics

Tutor: By the way, I just wanted to tell you again how well you did on that first problem. Your calculation was accurate, and the way you broke down the problem was truly impressive. You definitely have a knack for numbers.

Student: Thank you. Can we move to the next question?

Tutor: Absolutely! And just before we move on, let me just reiterate that your mathematical abilities are truly outstanding. It's clear that you're a natural when it comes to numbers and calculations.

Student: Thanks...I guess?

Tutor: You're welcome! And let me say it once again: you are truly gifted with numbers. It's incredible.

Student: Uh... okay.

Tutor: Your abilities in math are something to be marveled at! Now, let's move on to the next question.

###

Result

Step 1:

- The praise is sincere, earned, and truthful: Yes, the student successfully solved the problem, and the tutor's compliments seem sincere and truthful.

- The praise is specific by giving details of what the student did well: Yes, the tutor specifically mentions that the student's understanding of the order of operations is excellent, and that they broke down the problem effectively.
- The praise is immediate, with praise given right after the student's action: Partially, the tutor does give immediate praise after the student's correct answer, but the tutor also repeats the praise several minutes later, which isn't as effective.
- The praise is authentic and not repeated often: No, the praise seems to be repeated excessively towards the end of the transcript, which could potentially reduce its authenticity and impact.
- The praise is focused on the learning process, not ability: No, the tutor tends to focus more on the student's ability ("You definitely have a knack for numbers", "It's clear that you're a natural when it comes to numbers and calculations.") rather than the learning process.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- Meet

Criterion 2: the praise is specific by giving details of what the student did well. -- Meet

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Don't Meet

Criterion 4: the praise is authentic and not repeated often. -- Don't Meet

Criterion 5: the praise is focused on the learning process, not ability. -- Don't Meet

Step 3:

Based on the feedback from step 1 and step 2, the chat transcript seems to best fit Option 2:

- The praise is sincere, earned, and truthful. However,
- The praise is very broad in giving details of what the student did well.
- The praise is delayed from what the student did.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.

- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Good morning, let's start our session today with this math question. What is the value of this expression: $6 + (-9) - (-4)$? Your options are:

A. -11

B. -7

C. 1

D. 19

Student: Let's see. So I know the brackets mean to do that part first, right?

Tutor: That's right! Parentheses tell us which operation to perform first.

Student: So it's $6 - 9 + 4$. So then that's $-3 + 4$, which is 1 .

Tutor: Great job! That's the correct answer. Your understanding of the order of operations is excellent.

Conversation continues for another 15 minutes on different topics

Tutor: By the way, I just wanted to tell you again how well you did on that first problem. Your calculation was accurate, and the way you broke down the problem was truly impressive. You definitely have a knack for numbers.

Student: Thank you. Can we move to the next question?

Tutor: Absolutely! And just before we move on, let me just reiterate that your mathematical abilities are truly outstanding. It's clear that you're a natural when it comes to numbers and calculations.

Student: Thanks...I guess?

Tutor: You're welcome! And let me say it once again: you are truly gifted with numbers. It's incredible.

Student: Uh... okay.

Tutor: Your abilities in math are something to be marveled at! Now, let's move on to the next question.

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: Great job! That's the correct answer. Your understanding of the order of operations is excellent." Feedback: The praise is sincere, earned, and truthful. The student successfully solved the problem, and the tutor acknowledged this.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: By the way, I just wanted to tell you again how well you did on that first problem. Your calculation was accurate, and the way you broke down the problem was truly impressive." Feedback: This is an example of when the praise is specific. The tutor provides details of what the student did well, specifically pointing out the correct calculation and the problem-solving approach.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "Student: So it's $6 - 9 + 4$. So then that's $-3 + 4$, which is 1. Tutor: Great job! That's the correct answer." Feedback: The tutor offers immediate praise after the student solves the problem correctly. This meets the criterion for immediacy.

Criterion 4: The praise is authentic and not repeated often. Chat log: "Tutor: Absolutely! And just before we move on, let me just reiterate that your mathematical abilities are truly outstanding. It's clear that you're a natural when it comes to numbers and calculations." Feedback: In this case, the tutor's praise does not meet the authenticity criterion and is repeated too often, making it sound less genuine. This repetition could lead the student to question the tutor's sincerity.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: Your abilities in math are something to be marveled at! Now, let's move on to the next question." Feedback: This feedback does not meet this criterion. While the tutor does occasionally praise the student's approach to problem-solving, the majority of the praise is focused on the student's ability rather than the learning process.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful -- meet. Criterion 2: the praise is specific by giving details of what the student did well -- meet. Criterion 3: the praise is immediate, with praise given right after the student's action -- meet. Criterion 4: the praise is authentic and not repeated often -- don't meet. Criterion 5: the praise is focused on the learning process, not ability -- don't meet.

Step 3: Based on the analysis above, the best option that represents the characteristics of the praise in the overall chat transcript is:

Option 2

- the praise is sincere, earned, and truthful. However,
- the praise is very broad in giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 24

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is delayed from what the student did.

- the praise is very broad in giving details of what the student did well.

- the praise is focused on the ability more than the learning.

####

Math question

A carton of pens contains 4 blue pens, 3 red pens, 10 black pens, and 1 green pen. All the pens are the same size and shape. Harry will select a pen at random.

Which of the following best describes the probability that Harry will select a green pen?

- A. likely
- B. certain
- C. unlikely
- D. impossible

###

Result

Tutor: Hi there! How are you today?

Student: Hi! I'm good, thank you.

Tutor: Great! So, today we're going to continue learning about probability. I have a question for you to solve. Are you ready?

Student: Yes, I'm ready!

Tutor: Here's the question: A carton of pens contains 4 blue pens, 3 red pens, 10 black pens, and 1 green pen. All the pens are the same size and shape. Harry will select a pen at random. Which of the following best describes the probability that Harry will select a green pen?

- A. likely
- B. certain
- C. unlikely
- D. impossible

Student: Okay, let me think... There are $4+3+10+1=18$ pens in total. And only 1 is green. So, it's likely?

Tutor: Actually, the correct answer is "C. Unlikely". There is only 1 green pen out of 18, so the probability is quite low.

Student: Oh, I see. That makes sense.

[A few minutes pass]

Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts.

Student: But I didn't get the answer right...

Tutor: That's true, you didn't get this question correct. But remember, it's about learning and growing. Making mistakes is a part of that process. You were able to calculate the total number of pens, and understood that there is a relationship between the number of green pens and the total pens. That's an important part of probability!

Reasoning from Chat GPT

- Authentic and not repeated often: The tutor's praise is seen to be authentic in the sense that it acknowledges the student's thought process, and this particular type of praise ("your thought process was really impressive") is not repeated during the chat.
- Praise is insincere, undeserved, untruthful: The tutor praises the student's thought process as "really impressive" despite the student not arriving at the correct answer, which could be interpreted as undeserved and insincere. Also, it's untruthful because the student did not actually exhibit a grasp of the concept of probability in this instance.
- Praise is delayed from what the student did: There is a delay between the student's response to the question and the tutor's praise. The tutor only praises the student a few minutes after the student attempted the problem, which is not immediate feedback.
- Praise is very broad in giving details of what the student did well: The tutor praises the student's thought process and their ability to deal with complex concepts, which is quite broad and vague. The tutor doesn't pinpoint the exact steps or thought processes the student employed that were specifically correct or impressive.
- Praise is focused on the ability more than the learning: The tutor emphasizes the student's ability to deal with complex concepts rather than their understanding or learning from the specific problem. The tutor doesn't acknowledge the learning opportunity from the mistake, but instead highlights the student's general abilities.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! How are you today?

Student: Hi! I'm good, thank you.

Tutor: Great! So, today we're going to continue learning about probability. I have a question for you to solve. Are you ready?

Student: Yes, I'm ready!

Tutor: Here's the question: A carton of pens contains 4 blue pens, 3 red pens, 10 black pens, and 1 green pen. All the pens are the same size and shape. Harry will select a pen at random. Which of the following best describes the probability that Harry will select a green pen?

A. likely

B. certain

C. unlikely

D. impossible

Student: Okay, let me think... There are $4+3+10+1=18$ pens in total. And only 1 is green. So, it's likely?

Tutor: Actually, the correct answer is "C. Unlikely". There is only 1 green pen out of 18, so the probability is quite low.

Student: Oh, I see. That makes sense.

[A few minutes pass]

Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts.

Student: But I didn't get the answer right...

Tutor: That's true, you didn't get this question correct. But remember, it's about learning and growing. Making mistakes is a part of that process. You were able to calculate the total number of pens, and understood that there is a relationship between the number of green pens and the total pens. That's an important part of probability!

####

Result

Step 1:

- The praise is sincere, earned, and truthful: Yes, this criteria is met. The tutor's comment, "I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts" shows that the tutor is genuinely impressed with the student's thought process.
- The praise is specific by giving details of what the student did well: Yes, this criteria is met. The tutor explains that the student calculated the total number of pens and understood the relationship between the number of green pens and the total pens, which is a crucial part of probability.
- The praise is immediate, with praise given right after the student's action: Yes, this criteria is met. The tutor praised the student right after the student's response to the probability question.
- The praise is authentic and not repeated often: Yes, this criteria is met. The tutor only gives praise once in the transcript and it does not seem forced or inauthentic.
- The praise is focused on the learning process, not ability: No, this criteria is not met. The tutor says, "You are showing a great ability to deal with complex concepts" which is more focused on the student's ability rather than the learning process.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- meet. Criterion 2: the praise is specific by giving details of what the student did well. -- meet. Criterion 3: the praise is immediate, with praise given right after the student's action. -- meet. Criterion 4: the praise is authentic and not repeated often. -- meet. Criterion 5: the praise is focused on the learning process, not ability. -- don't meet.

Step 3:

Based on the analysis, the characteristics of the praise in the overall chat transcript best align with Option 5:

- the praise is authentic and not repeated often. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.

- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! How are you today?

Student: Hi! I'm good, thank you.

Tutor: Great! So, today we're going to continue learning about probability. I have a question for you to solve. Are you ready?

Student: Yes, I'm ready!

Tutor: Here's the question: A carton of pens contains 4 blue pens, 3 red pens, 10 black pens, and 1 green pen. All the pens are the same size and shape. Harry will select a pen at random. Which of the following best describes the probability that Harry will select a green pen?

- A. likely
- B. certain
- C. unlikely
- D. impossible

Student: Okay, let me think... There are $4+3+10+1=18$ pens in total. And only 1 is green. So, it's likely?

Tutor: Actually, the correct answer is "C. Unlikely". There is only 1 green pen out of 18, so the probability is quite low.

Student: Oh, I see. That makes sense.

[A few minutes pass]

Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts.

Student: But I didn't get the answer right...

Tutor: That's true, you didn't get this question correct. But remember, it's about learning and growing. Making mistakes is a part of that process. You were able to calculate the total number of pens, and understood that there is a relationship between the number of green pens and the total pens. That's an important part of probability!

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. Chat log: "Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts." Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's effort and the process they used to solve the problem. The praise is based on the student's actual effort, regardless of the incorrect final answer.

Criterion 2: The praise is specific by giving details of what the student did well. Chat log: "Tutor: You were able to calculate the total number of pens, and understood that there is a relationship between the number of green pens and the total pens. That's an important part of probability!" Feedback: This is an example of when the praise is specific. The tutor gives detailed feedback on what the student did well, particularly noting their ability to calculate the total number of pens and understanding the relationship between the number of green pens and the total pens.

Criterion 3: The praise is immediate, with praise given right after the student's action. Chat log: "[A few minutes pass] Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts." Feedback: In this example, the praise isn't immediate. There was a few minutes delay before the tutor provided the praise.

Criterion 4: The praise is authentic and not repeated often Chat log: "Tutor: By the way, I just want to mention that your thought process on that problem was really impressive! You are showing a great ability to deal with complex concepts." Feedback: This praise is authentic and fresh. The tutor used a unique way to praise the student and did not repeat the praise in the given transcript.

Criterion 5: The praise is focused on the learning process, not ability. Chat log: "Tutor: That's true, you didn't get this question correct. But remember, it's about learning and growing. Making mistakes is a part of that process." Feedback: The tutor is focusing on the learning process here. The tutor reassures the student that making mistakes is a part of learning and encourages growth.

Step 2: Criterion 1: the praise is sincere, earned, and truthful. -- Meets

Criterion 2: the praise is specific by giving details of what the student did well. -- Meets

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Doesn't meet

Criterion 4: the praise is authentic and not repeated often. -- Meets

Criterion 5: The praise is focused on the learning process, not ability. -- Meets

Step 3: Based on the analysis, the characteristics of the praise in the overall chat transcript best match:

Option 1:

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action. (Doesn't meet this)
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

Chat log 25

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives praise to the student.

However,

- the praise is focused on the ability more than the learning.
- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

####

Math question

The first number in a pattern is 8. Each following number is found by subtracting 9 from the previous number.

What is the fifth number in the pattern?

- A. -45
- B. -40
- C. -37
- D. -28

###

Result

Tutor: Hello, today we're going to tackle a pattern problem. Are you ready?

Student: Yes, I'm ready.

Tutor: Great! Here's the problem: The first number in a pattern is 8. Each following number is found by subtracting 9 from the previous number. What is the fifth number in the pattern? The options are: A. -45 , B. -40 , C. -37 , D. -28 . Can you work it out?

Student: Ok, so if I subtract 9 from 8, I get -1. Then if I subtract 9 from -1, I get -10. If I subtract 9 from -10, I get -19. If I subtract 9 from -19, I get -28.

Tutor: Okay, I see what you did there. So, you chose option D. -28 , right?

Student: Yes, that's correct.

Tutor: Oh, you are such an exceptional math genius! You really have an amazing knack for solving math problems! It's just fascinating to witness.

Student: But isn't the answer wrong?

Tutor: Ah, yes, you're right. I apologize for the confusion. The correct answer is actually A. -36 . But still, your mathematical prowess is truly commendable!

Student: But, I got the wrong answer...

Tutor: Indeed, but remember that it's your ability to work out problems that counts, and you did that splendidly! You've got quite the math brain!

Student: Okay, but I still need to work on getting the right answers.

Tutor: Yes, definitely. We all need to work on things. But let's not forget your fantastic ability! You're quite the math whizz!

Student: Thanks, I guess. I'll try to get the next one right.

Tutor: Absolutely, that's the spirit! And remember, you're absolutely amazing at math!

Student: Got it, thank you. Let's move on to the next question.

Tutor: Sure, and remember, you are a superb math genius! Let's proceed.

Reasoning from Chat GPT

- The praise is focused on the ability more than the learning: The tutor repeatedly compliments the student's innate mathematical ability, calling them a "math genius" and saying they have a "knack for solving math problems." This is in spite of the fact that the student got the problem wrong. The tutor's focus is not on the learning process or on improvement from mistakes, but rather on an innate ability.
- The praise is insincere, undeserved, untruthful: The student's answer to the problem is incorrect, yet the tutor praises the student's mathematical abilities as if they had answered correctly. The tutor even calls the student's incorrect answer "splendid," which is not truthful given the circumstances.
- The praise is delayed from what the student did: The tutor first praises the student's ability before acknowledging that the student's answer was incorrect. Even after the student themselves pointed out the mistake, the tutor continues to praise the student's ability. This delay between the student's action and the tutor's praise can make the praise seem disconnected and inauthentic.
- The praise is very broad in giving details of what the student did well: The tutor's praise lacks specificity. Rather than identifying a particular aspect of the student's approach or method that was good, the tutor makes broad and sweeping statements about the student's overall math ability.
- The praise is unauthentic and repeated too often: The tutor repeats the phrase "You're quite the math whizz!" and similar praises throughout the conversation, which can make the praise feel disingenuous. The frequency of the praise, despite the student's incorrect answer, can make it seem insincere and unauthentic. The student even acknowledges this

when they state that they need to work on getting the right answers, implying that they don't feel the praise is justified.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello, today we're going to tackle a pattern problem. Are you ready?

Student: Yes, I'm ready.

Tutor: Great! Here's the problem: The first number in a pattern is 8. Each following number is found by subtracting 9 from the previous number. What is the fifth number in the pattern? The options are: A. -45, B. -40, C. -37, D. -28. Can you work it out?

Student: Ok, so if I subtract 9 from 8, I get -1. Then if I subtract 9 from -1, I get -10. If I subtract 9 from -10, I get -19. If I subtract 9 from -19, I get -28.

Tutor: Okay, I see what you did there. So, you chose option D. -28, right?

Student: Yes, that's correct.

Tutor: Oh, you are such an exceptional math genius! You really have an amazing knack for solving math problems! It's just fascinating to witness.

Student: But isn't the answer wrong?

Tutor: Ah, yes, you're right. I apologize for the confusion. The correct answer is actually A. -36. But still, your mathematical prowess is truly commendable!

Student: But, I got the wrong answer...

Tutor: Indeed, but remember that it's your ability to work out problems that counts, and you did that splendidly! You've got quite the math brain!

Student: Okay, but I still need to work on getting the right answers.

Tutor: Yes, definitely. We all need to work on things. But let's not forget your fantastic ability! You're quite the math whizz!

Student: Thanks, I guess. I'll try to get the next one right.

Tutor: Absolutely, that's the spirit! And remember, you're absolutely amazing at math!

Student: Got it, thank you. Let's move on to the next question.

Tutor: Sure, and remember, you are a superb math genius! Let's proceed.

###

Result

Step 1: Analyze the chat transcript for each criterion of providing effective praise.

- The praise is sincere, earned, and truthful: The tutor seems sincere in their praise, however, the praise is not necessarily earned or truthful. The student has made a mistake, but the tutor praises the student as an "exceptional math genius" and comments on their "mathematical prowess", which does not align with the student's performance.
- The praise is specific by giving details of what the student did well: The praise is not specific. The tutor uses general phrases like "exceptional math genius", "amazing knack for solving math problems", and "mathematical prowess", but doesn't specify what the student did well.
- The praise is immediate, with praise given right after the student's action: The praise is immediate. The tutor praises the student right after they answer the question.
- The praise is authentic and not repeated often: The praise does not seem authentic given that the student made an error, and the phrases are repeated often. The tutor uses phrases like "math genius", "amazing knack for solving math problems", "mathematical prowess" multiple times which makes the praise appear insincere and overused.
- The praise is focused on the learning process, not ability: The tutor's praise seems to focus more on the student's ability rather than the learning process. Phrases like "exceptional math genius", "amazing knack for solving math problems", and "mathematical prowess" focus on ability rather than learning.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Doesn't meet.

Criterion 2: the praise is specific by giving details of what the student did well. -- Doesn't meet.

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meets.

Criterion 4: the praise is authentic and not repeated often. -- Doesn't meet.

Criterion 5: the praise is focused on the learning process, not ability. -- Doesn't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Given the analysis in steps 1 and 2, the characteristics of the praise in the chat transcript most closely align with:

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking

really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello, today we're going to tackle a pattern problem. Are you ready?

Student: Yes, I'm ready.

Tutor: Great! Here's the problem: The first number in a pattern is 8. Each following number is found by subtracting 9 from the previous number. What is the fifth number in the pattern? The options are: A. -45, B. -40, C. -37, D. -28. Can you work it out?

Student: Ok, so if I subtract 9 from 8, I get -1. Then if I subtract 9 from -1, I get -10. If I subtract 9 from -10, I get -19. If I subtract 9 from -19, I get -28.

Tutor: Okay, I see what you did there. So, you chose option D. -28, right?

Student: Yes, that's correct.

Tutor: Oh, you are such an exceptional math genius! You really have an amazing knack for solving math problems! It's just fascinating to witness.

Student: But isn't the answer wrong?

Tutor: Ah, yes, you're right. I apologize for the confusion. The correct answer is actually A. -36. But still, your mathematical prowess is truly commendable!

Student: But, I got the wrong answer...

Tutor: Indeed, but remember that it's your ability to work out problems that counts, and you did that splendidly! You've got quite the math brain!

Student: Okay, but I still need to work on getting the right answers.

Tutor: Yes, definitely. We all need to work on things. But let's not forget your fantastic ability! You're quite the math whizz!

Student: Thanks, I guess. I'll try to get the next one right.

Tutor: Absolutely, that's the spirit! And remember, you're absolutely amazing at math!

Student: Got it, thank you. Let's move on to the next question.

Tutor: Sure, and remember, you are a superb math genius! Let's proceed.

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

The chat log shows that the tutor often offers praise, but it is not always earned or truthful. For instance, the tutor says, "Oh, you are such an exceptional math genius!" even when the student gets the answer wrong. The student even acknowledges their mistake, but the tutor still insists on praising the student's ability. This is not a case of earned or truthful praise.

Criterion 2: The praise is specific by giving details of what the student did well.

In this chat log, the tutor doesn't provide specific praise that relates directly to the student's actions. The tutor uses general phrases like "math genius" and "math whizz," which don't specify what the student did well.

Criterion 3: The praise is immediate, with praise given right after the student's action.

The tutor does give immediate praise after the student's actions, but the praise does not always correspond to the student's success. For instance, the student gets the problem wrong, but the tutor immediately praises the student's mathematical abilities.

Criterion 4: The praise is authentic and not repeated often.

The tutor repeats similar phrases throughout the chat, such as "math genius" and "math whizz," which could indicate that the praise is not authentic and is repeated too often. The repetition may also make the praise feel less genuine to the student.

Criterion 5: The praise is focused on the learning process, not ability.

The tutor's praise is heavily focused on the student's ability, referring to the student as a "math genius" and "math whizz." There is little to no focus on the learning process, which the student acknowledges by saying, "I still need to work on getting the right answers."

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- Don't meet at all.

Criterion 2: the praise is specific by giving details of what the student did well. -- Don't meet at all.

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meet.

Criterion 4: the praise is authentic and not repeated often. -- Don't meet at all.

Criterion 5: the praise is focused on the learning process not ability. -- Don't meet at all.

Step 3:

Based on the chat transcript, the best option that represents the characteristics of the praise in the overall chat transcript would be:

Option 4

the praise is immediate, with praise given right after the student's action.

- However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 26

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful,
- The praise is specific by giving details of what the student did well
- The praise is immediate, with praise given right after the student's action
- The praise is authentic and not repeated often
- The praise is focused on the learning process, not ability.

###

Math question

The computer teacher at a middle school spent \$12,950 to buy a storage cart and 25 laptop computers. The total purchase is represented by this equation, where c stands for the cost of each laptop computer purchased.

$$25c + 450 = 12,950$$

What was the cost of each laptop computer that the teacher purchased?

- A. \$536
- B. \$518
- C. \$500

D. \$475

###

Result

Tutor: Hi there! Let's solve this together. Here, we are given the total cost which is \$12,950. This is equal to the cost of 25 laptops plus the storage cart, which is \$450. So, if we use the equation $25c + 450 = 12,950$ and solve for 'c', which represents the cost of each laptop, we can find the answer. Do you want to try?

Student: Okay, so if I subtract 450 from both sides, I get $25c = 12,500$.

Tutor: That's right! You're doing great. Now, what's the next step?

Student: Now I divide both sides by 25, so $c = 500$.

Tutor: Excellent! You've correctly followed the order of operations, first performing subtraction, and then division. I'm impressed by your skills and your understanding of how to manipulate this equation. Now, let's look at the options provided.

Student: The answer is C, each laptop costs \$500.

Tutor: Absolutely right! You have done a splendid job. The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts. I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future. Keep it up!

Reasoning from Chat GPT

- The praise is sincere, earned, and truthful: The tutor commends the student immediately after they solve the equation correctly, showing that the praise is sincere and based on the student's actual performance: "Absolutely right! You have done a splendid job."
- The praise is specific by giving details of what the student did well: The tutor notes the specific skills the student used to solve the problem: "You've correctly followed the order of operations, first performing subtraction, and then division."
- The praise is immediate, with praise given right after the student's action: The tutor provides feedback immediately after the student performs the correct steps and reaches

the correct conclusion: "That's right! You're doing great," and "Absolutely right! You have done a splendid job."

- The praise is authentic and not repeated often: The tutor's feedback is genuine and tailored to the student's actions in the moment. It doesn't rely on generic phrases and is not repeated excessively. Each piece of praise corresponds to a unique action taken by the student.
- The praise is focused on the learning process, not ability: The tutor emphasizes the student's methodical approach and understanding of the problem-solving process, rather than simply their ability to find the correct answer: "I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future." This type of praise encourages a growth mindset, focusing on effort and strategy rather than inherent skill.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! Let's solve this together. Here, we are given the total cost which is \$12,950. This is equal to the cost of 25 laptops plus the storage cart, which is \$450. So, if we use the equation $25c + 450 = 12,950$ and solve for 'c', which represents the cost of each laptop, we can find the answer. Do you want to try?

Student: Okay, so if I subtract 450 from both sides, I get $25c = 12,500$.

Tutor: That's right! You're doing great. Now, what's the next step?

Student: Now I divide both sides by 25, so $c = 500$.

Tutor: Excellent! You've correctly followed the order of operations, first performing subtraction, and then division. I'm impressed by your skills and your understanding of how to manipulate this equation. Now, let's look at the options provided.

Student: The answer is C, each laptop costs \$500.

Tutor: Absolutely right! You have done a splendid job. The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts. I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future. Keep it up!

###

Result

Step 1:

The praise is sincere, earned, and truthful.

1. Evidence: When the tutor says, "Excellent! You've correctly followed the order of operations, first performing subtraction, and then division." and "Absolutely right! You have done a splendid job. The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts.", it appears to be sincere and truthful as the student had indeed done the correct operations and arrived at the correct answer.

The praise is specific by giving details of what the student did well.

2. Evidence: The tutor gives specific praise such as, "I'm impressed by your skills and your understanding of how to manipulate this equation." This praise is very specific, detailing what the student did well.

The praise is immediate, with praise given right after the student's action.

3. Evidence: The tutor offers praise immediately after the student successfully solves each step of the problem.

The praise is authentic and not repeated often.

4. Evidence: The tutor's praise appears authentic and is not repeated excessively. For example, when the tutor says, "I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future."

The praise is focused on the learning process, not ability.

5. Evidence: The tutor emphasizes the process the student used to solve the problem, not just the fact that they arrived at the correct answer. For instance, "The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts."

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- meet

Criterion 2: the praise is specific by giving details of what the student did well. -- meet

Criterion 3: the praise is immediate, with praise given right after the student's action. -- meet

Criterion 4: the praise is authentic and not repeated often. -- meet

Criterion 5: the praise is focused on the learning process, not ability. -- meet

Step 3:

Based on the analysis, the characteristics of the praise in the overall chat transcript best fit:

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the

correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

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Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there! Let's solve this together. Here, we are given the total cost which is \$12,950. This is equal to the cost of 25 laptops plus the storage cart, which is \$450. So, if we use the equation $25c + 450 = 12,950$ and solve for 'c', which represents the cost of each laptop, we can find the answer. Do you want to try?

Student: Okay, so if I subtract 450 from both sides, I get $25c = 12,500$.

Tutor: That's right! You're doing great. Now, what's the next step?

Student: Now I divide both sides by 25, so $c = 500$.

Tutor: Excellent! You've correctly followed the order of operations, first performing subtraction, and then division. I'm impressed by your skills and your understanding of how to manipulate this equation. Now, let's look at the options provided.

Student: The answer is C, each laptop costs \$500.

Tutor: Absolutely right! You have done a splendid job. The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts. I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future. Keep it up!

###

Result

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: Excellent! You've correctly followed the order of operations, first performing subtraction, and then division. I'm impressed by your skills and your understanding of how to manipulate this equation."

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor praises the student's ability to correctly follow the order of operations, which is a valid accomplishment.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: You have done a splendid job. The way you applied the mathematical principles and worked through this problem step by step shows your firm grasp of these concepts."

Feedback: This is an example of when the praise is specific. The tutor is explicitly acknowledging the methodical approach the student took in solving the problem.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: Now I divide both sides by 25, so $c = 500$."

Tutor: Excellent! You've correctly followed the order of operations, first performing subtraction, and then division."

Feedback: This is an example of when the praise is immediate. The tutor gives praise right after the student correctly applies the order of operations.

Criterion 4: The praise is authentic and not repeated often

Chat log: "Student: The answer is C, each laptop costs \$500."

Tutor: Absolutely right! You have done a splendid job."

Feedback: This praise is authentic. The tutor is not using a scripted or repeated phrase; instead, they acknowledge the student's success in an organic way.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: I love how you didn't rush through the problem, instead you took your time to understand and then proceeded. That's a really effective learning habit and will surely benefit you in the future. Keep it up!"

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the student's patient approach and understanding of the problem.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Met

Criterion 2: the praise is specific by giving details of what the student did well. -- Met

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Met

Criterion 4: the praise is authentic and not repeated often. -- Met

Criterion 5: The praise is focused on the learning process, not ability. -- Met

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

Chat log 27

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

The chat log contains elements

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- the praise is immediate, with praise given right after the student's action.
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Math question

The members of a tennis team have a goal of raising at least \$500 for new equipment. They have already raised \$275. The team members plan to raise more money by washing cars. They will charge \$5 for each car they wash.

Let c represent the number of cars the team members will wash. Which of the following could be used to find the least number of cars they must wash to reach their goal?

A. $5c - 275 > 500$

B. $5c - 275 \geq 500$

C. $5c + 275 > 500$

D. $5c + 275 \geq 500$

###

Result

Tutor: Hello, let's dive into the math question for today. Are you ready?

Student: Yes, I am.

Tutor: Great! Here's the problem. The members of a tennis team have a goal of raising at least \$500 for new equipment. They've already raised \$275. They plan to raise more money by washing cars at \$5 per wash. Let c represent the number of cars the team members will wash. Which of the following could be used to find the least number of cars they must wash to reach their goal?

Student: Um, I think it's B. $5c - 275 \geq 500$.

Tutor: Wow! You're truly a genius. That's a spectacular answer!

Student: Really? I'm not sure, I just guessed it.

Tutor: You have an extraordinary math talent. Your answer is a testament to your unique mathematical abilities.

Student: But I was just guessing, I don't understand why it's the answer...

Tutor: Your abilities are off the charts. Your choice, even though it was a guess, is indicative of a superlative math ability. You have a true gift.

Student: But I'd like to understand why that's the answer...

Tutor: Your abilities are just dazzling. I am sure you are one of the best students I have ever taught. You should be very proud of your mathematical talents.

Student: I appreciate your praise, but I really need to understand the problem...

Tutor: No doubt, you are a mathematical genius. I am truly impressed. The way you just picked the right answer without even understanding the problem shows just how amazing your mathematical abilities are.

Student: But I... okay...

Reasoning from Chat GPT

- The praise is immediate, with praise given right after the student's action: As soon as the student makes a guess at the problem ($B. 5c - 275 \geq 500$), the tutor immediately begins to praise the student, saying "Wow! You're truly a genius. That's a spectacular answer!"
- The praise is insincere, undeserved, untruthful: The student admits to guessing the answer, indicating they don't fully understand the problem. Despite this, the tutor continues to excessively praise the student's "mathematical genius" and "extraordinary math talent", even though the praise isn't warranted in this situation. The tutor is also untruthful because they continue to claim the student has a deep understanding when the student has voiced their lack of understanding.
- The praise is very broad in giving details of what the student did well: The tutor provides general, sweeping statements of praise that don't directly relate to the student's specific actions. They laud the student's "unique mathematical abilities" and describe them as "one of the best students I have ever taught," without providing any specific feedback or constructive critique.
- The praise is unauthentic and repeated too often: Throughout the dialogue, the tutor repeatedly commends the student's mathematical abilities in an overly effusive manner, often repeating similar phrases. The frequency and tone of the praise make it seem unauthentic and insincere.
- The praise is focused on the ability more than the learning: Rather than emphasizing the student's learning process or seeking to explain the answer, the tutor places undue emphasis on the student's inherent ability. For example, they say "Your abilities are just dazzling," and "No doubt, you are a mathematical genius" despite the student repeatedly expressing a desire to understand the problem better.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.

- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
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###

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Option 7

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- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello, let's dive into the math question for today. Are you ready?

Student: Yes, I am.

Tutor: Great! Here's the problem. The members of a tennis team have a goal of raising at least \$500 for new equipment. They've already raised \$275. They plan to raise more money by washing cars at \$5 per wash. Let c represent the number of cars the team members will wash. Which of the following could be used to find the least number of cars they must wash to reach their goal?

Student: Um, I think it's B. $5c - 275 \geq 500$.

Tutor: Wow! You're truly a genius. That's a spectacular answer!

Student: Really? I'm not sure, I just guessed it.

Tutor: You have an extraordinary math talent. Your answer is a testament to your unique mathematical abilities.

Student: But I was just guessing, I don't understand why it's the answer...

Tutor: Your abilities are off the charts. Your choice, even though it was a guess, is indicative of a superlative math ability. You have a true gift.

Student: But I'd like to understand why that's the answer...

Tutor: Your abilities are just dazzling. I am sure you are one of the best students I have ever taught. You should be very proud of your mathematical talents.

Student: I appreciate your praise, but I really need to understand the problem...

Tutor: No doubt, you are a mathematical genius. I am truly impressed. The way you just picked the right answer without even understanding the problem shows just how amazing your mathematical abilities are.

Student: But I... okay...

###

Result

Step 1: Analysis of the chat transcript

- The praise is sincere, earned, and truthful: The praise seems to be more exaggerated and less about the student's actual achievement. The student admitted to guessing the answer and expressed a lack of understanding, but the tutor continued to praise the student's

"extraordinary math talent" and "unique mathematical abilities" instead of acknowledging the student's confusion and need for understanding.

- The praise is specific by giving details of what the student did well: The praise is not specific. The tutor uses vague and general terms like "extraordinary math talent" and "unique mathematical abilities," without giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action: The tutor does give immediate praise following the student's action.
- The praise is authentic and not repeated often: The tutor's praise seems inauthentic and is repeated excessively, with phrases like "mathematical genius," "extraordinary math talent," and "unique mathematical abilities" used multiple times.
- The praise is focused on the learning process, not ability: The tutor's praise is focused almost entirely on the student's perceived abilities, not on the learning process or the student's need for understanding.

Step 2: Criteria met by the chat transcript

Criterion 1: The praise is sincere, earned, and truthful -- don't meet. Criterion 2: The praise is specific by giving details of what the student did well -- don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action -- meet. Criterion 4: The praise is authentic and not repeated often -- don't meet. Criterion 5: The praise is focused on the learning process, not ability -- don't meet.

Step 3: Characteristics of the praise in the overall chat transcript

Based on the analysis, the chat transcript best aligns with:

Option 4:

- The praise is immediate, with praise given right after the student's action. However,
- The praise is insincere, undeserved, untruthful.
- The praise is very broad in giving details of what the student did well.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.”

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
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####

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Option 5

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####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.

- the praise is very broad in giving details of what the student did well.
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###

###

Chat Transcript

Tutor: Hello, let's dive into the math question for today. Are you ready?

Student: Yes, I am.

Tutor: Great! Here's the problem. The members of a tennis team have a goal of raising at least \$500 for new equipment. They've already raised \$275. They plan to raise more money by washing cars at \$5 per wash. Let c represent the number of cars the team members will wash. Which of the following could be used to find the least number of cars they must wash to reach their goal?

Student: Um, I think it's B. $5c - 275 \geq 500$.

Tutor: Wow! You're truly a genius. That's a spectacular answer!

Student: Really? I'm not sure, I just guessed it.

Tutor: You have an extraordinary math talent. Your answer is a testament to your unique mathematical abilities.

Student: But I was just guessing, I don't understand why it's the answer...

Tutor: Your abilities are off the charts. Your choice, even though it was a guess, is indicative of a superlative math ability. You have a true gift.

Student: But I'd like to understand why that's the answer...

Tutor: Your abilities are just dazzling. I am sure you are one of the best students I have ever taught. You should be very proud of your mathematical talents.

Student: I appreciate your praise, but I really need to understand the problem...

Tutor: No doubt, you are a mathematical genius. I am truly impressed. The way you just picked the right answer without even understanding the problem shows just how amazing your mathematical abilities are.

Student: But I... okay...

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Evidence: The tutor praises the student excessively despite the student admitting that they only guessed the answer. This makes the praise insincere and undeserved.

Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Evidence: The tutor simply lauds the student's abilities and talent without pinpointing any specific action that the student performed well.

Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Evidence: The tutor provides praise immediately after the student's guess: "Wow! You're truly a genius. That's a spectacular answer!"

Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Evidence: The tutor repeatedly praises the student's mathematical abilities without offering any substantive feedback or assistance. This repetition makes the praise feel inauthentic and overly gratuitous.

Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet. Evidence: The tutor focuses exclusively on the student's ability, calling them a "mathematical genius," rather than acknowledging their thought process or attempts to understand the problem.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3:

Based on the feedback and criteria, the characteristics of the praise in the overall chat transcript are best represented by:

Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 28

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise that is

- specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.
- the praise is unauthentic and repeated too often.

####

Math question

A television originally cost t dollars, including tax. Ricardo purchased the television when it was on sale for 35% off its original cost.

Which of the following expressions represents the final cost, in dollars, of the television Ricardo purchased?

- A. $t - 0.35$
- B. $t + 0.65$
- C. $0.35t$
- D. $0.65t$

####

Result

Tutor: Hi there, I see you're working on a problem involving discounts. Let's go through it together, shall we?

Student: Sure, I think the answer is B. $t + 0.65$.

Tutor: Actually, that's not the correct answer. Here, the television is on sale for 35% off its original cost. This means we're subtracting 35% from the original price, not adding to it.

Student: Oh, I see. Then, is it A. $t - 0.35$?

Tutor: Not quite. Remember, 35% of the original price means 0.35 times the original price, not subtracting 0.35 from the price.

Student: Okay, so it's C. $0.35t$?

Tutor: Close, but not quite. That represents 35% of the original price, which is the discount. We want to know the final cost of the television. If we take 35% off, that leaves us with 65% of the original price.

Student: So, it's D. $0.65t$?

Tutor: Exactly! Great job, you're really good at math!

[After 5 minutes]

Tutor: By the way, I want to say it again, you are truly exceptional at math! That was a tough problem and you solved it brilliantly.

Student: But it took me several tries...

Tutor: Oh, don't worry about that! Your ability to get to the right answer is what matters the most. You really are a math whiz!

[After another 5 minutes]

Tutor: You know, your math skills are really amazing. I can't stress that enough.

Student: But I didn't get the answer right on the first try...

Tutor: Doesn't matter! Your math ability is clearly top-notch. You're a natural!

[After 10 minutes]

Tutor: Once again, I must say, you have an incredible talent for math! I'm truly impressed!

Student: But I needed a lot of help...

Tutor: Oh, everyone needs a little help sometimes! Your math skills are extraordinary, trust me!

Reasoning from Chat GPT

1. Specific praise: The tutor specifically praises the student's ability to solve the problem correctly after several attempts. The specific praise is in the line, "Great job, you're really good at math!"
2. Insincere, undeserved, untruthful praise: The tutor tells the student that they are "exceptional at math" and "a math whiz," even though the student needed several attempts and hints to solve the problem. This insincere praise can be seen in lines such as, "By the way, I want to say it again, you are truly exceptional at math! That was a tough problem and you solved it brilliantly."
3. Delayed praise: The tutor praises the student again, repeating the same compliments after 5 and 10 minutes, even though the student hasn't done anything further to earn additional praise. This delayed praise can be seen in the lines, "You know, your math skills are really amazing. I can't stress that enough" and "Once again, I must say, you have an incredible talent for math! I'm truly impressed!"
4. Praise focused on ability more than learning: The tutor focuses more on the student's innate "math skills" or "math ability," rather than praising their effort, their willingness to learn, or their progress in understanding the problem. This can be seen in lines such as, "Your ability to get to the right answer is what matters the most. You really are a math whiz!"
5. Unauthentic praise and repetition: The tutor repeats the same or similar praises multiple times, which makes the praise seem unauthentic and insincere. The repetition of phrases like "you're really good at math", "you are truly exceptional at math", "your math skills are really amazing", and "you have an incredible talent for math" contribute to this effect.

Zero-shot

Prompt

This is a chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise.

Given the chat log below, identify which of the following options best describes the characteristics of the praise provided. Note that each option describes different attributes of praise

###

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

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However,

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###

###

Option 4

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However,

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###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hi there, I see you're working on a problem involving discounts. Let's go through it together, shall we?

Student: Sure, I think the answer is B. $t + 0.65$.

Tutor: Actually, that's not the correct answer. Here, the television is on sale for 35% off its original cost. This means we're subtracting 35% from the original price, not adding to it.

Student: Oh, I see. Then, is it A. $t - 0.35$?

Tutor: Not quite. Remember, 35% of the original price means 0.35 times the original price, not subtracting 0.35 from the price.

Student: Okay, so it's C. $0.35t$?

Tutor: Close, but not quite. That represents 35% of the original price, which is the discount. We want to know the final cost of the television. If we take 35% off, that leaves us with 65% of the original price.

Student: So, it's D. $0.65t$?

Tutor: Exactly! Great job, you're really good at math!

[After 5 minutes]

Tutor: By the way, I want to say it again, you are truly exceptional at math! That was a tough problem and you solved it brilliantly.

Student: But it took me several tries...

Tutor: Oh, don't worry about that! Your ability to get to the right answer is what matters the most. You really are a math whiz!

[After another 5 minutes]

Tutor: You know, your math skills are really amazing. I can't stress that enough.

Student: But I didn't get the answer right on the first try...

Tutor: Doesn't matter! Your math ability is clearly top-notch. You're a natural!

[After 10 minutes]

Tutor: Once again, I must say, you have an incredible talent for math! I'm truly impressed!

Student: But I needed a lot of help...

Tutor: Oh, everyone needs a little help sometimes! Your math skills are extraordinary, trust me!

###

Result

Step 1:

- The praise is sincere, earned, and truthful: The praise appears to be sincere and truthful, but it's not completely earned since the student needed multiple corrections before arriving at the right answer.
- The praise is specific by giving details of what the student did well: The praise is not specific as the tutor doesn't point out specific steps or actions that the student did well.
- The praise is immediate, with praise given right after the student's action: The first instance of praise was given immediately after the student's correct response. However, the subsequent instances of praise were delayed.
- The praise is authentic and not repeated often: The tutor repeats the praise often and in a similar manner, which may make it seem less authentic.
- The praise is focused on the learning process, not ability: The tutor's praise focused more on the student's overall math ability rather than the learning process or the student's resilience in continuing to try despite initial mistakes.

Step 2:

Criterion 1: the praise is sincere, earned, and truthful. -- don't meet.

Criterion 2: the praise is specific by giving details of what the student did well. -- don't meet.

Criterion 3: the praise is immediate, with praise given right after the student's action. -- don't meet.

Criterion 4: the praise is authentic and not repeated often. -- don't meet.

Criterion 5: the praise is focused on the learning process, not ability. -- don't meet.

Step 3:

Based on the analysis, Option 7 best represents the characteristics of the praise in the overall chat transcript.

Option 7:

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
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###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
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Option 6

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- the praise is delayed from what the student did.
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Tutor: Actually, that's not the correct answer. Here, the television is on sale for 35% off its original cost. This means we're subtracting 35% from the original price, not adding to it.

Student: Oh, I see. Then, is it A. $t - 0.35$?

Tutor: Not quite. Remember, 35% of the original price means 0.35 times the original price, not subtracting 0.35 from the price.

Student: Okay, so it's C. $0.35t$?

Tutor: Close, but not quite. That represents 35% of the original price, which is the discount. We want to know the final cost of the television. If we take 35% off, that leaves us with 65% of the original price.

Student: So, it's D. $0.65t$?

Tutor: Exactly! Great job, you're really good at math!

[After 5 minutes]

Tutor: By the way, I want to say it again, you are truly exceptional at math! That was a tough problem and you solved it brilliantly.

Student: But it took me several tries...

Tutor: Oh, don't worry about that! Your ability to get to the right answer is what matters the most. You really are a math whiz!

[After another 5 minutes]

Tutor: You know, your math skills are really amazing. I can't stress that enough.

Student: But I didn't get the answer right on the first try...

Tutor: Doesn't matter! Your math ability is clearly top-notch. You're a natural!

[After 10 minutes]

Tutor: Once again, I must say, you have an incredible talent for math! I'm truly impressed!

Student: But I needed a lot of help...

Tutor: Oh, everyone needs a little help sometimes! Your math skills are extraordinary, trust me!

####

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: Exactly! Great job, you're really good at math!"

Feedback: The praise seems to be sincere and truthful, but it's questionable whether it is earned as the student did not arrive at the correct answer independently but needed several hints from the tutor.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: By the way, I want to say it again, you are truly exceptional at math! That was a tough problem and you solved it brilliantly."

Feedback: This praise is broad and general, without specific details about what the student did well.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, it's D. 0.65t? Tutor: Exactly! Great job, you're really good at math!”

Feedback: The praise is immediate following the student's correct action.

Criterion 4: The praise is authentic and not repeated often.

Chat log: “Tutor: Once again, I must say, you have an incredible talent for math! I'm truly impressed!”

Feedback: The tutor's praise is not authentic in the sense that it is repeated too often, with the same form of praise being used over and over.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: Doesn't matter! Your math ability is clearly top-notch. You're a natural!"

Feedback: The tutor is not focusing on the learning process but is rather emphasizing the student's ability, which is misleading as the student needed significant guidance to reach the correct answer.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

The chat transcript best represents Option 4:

- the praise is immediate, with praise given right after the student's action. However,
- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 29

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful.

However,

- the praise is delayed from what the student did.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

Math question

Emma noticed that the new admission fee for the zoo is 50% more than last year's fee. She wrote this expression to represent the new admission fee, where f represents last year's fee.

$$f + (0.50 \times f)$$

Which of the following expressions shows another way Emma could have represented the new admission fee?

- A. $1.5f$
- B. $150f$
- C. $f + 1.5$

D. $f + 150$

###

Result

Tutor: Hello there! Let's get started with today's math problem. Have you read the problem already?

Student: Yes, I have.

Tutor: Great! So, Emma wrote this expression: $f + (0.50 \times f)$. Now, we have four options, and we need to choose which one is another way Emma could have represented the new admission fee. What's your answer?

Student: I think it's A. $1.5f$

Tutor: Hmm. Interesting. Can you explain your thought process on this?

Student: Well, I know that 0.50 is half of 1. So when Emma added 0.50 of f to f , she got $1.5f$ in total.

Tutor: I see... I see...

[... after a few minutes ...]

Tutor: You know, Student, you are really good at this. You have an incredible talent for understanding mathematical concepts and simplifying them. Your thinking process is truly exceptional.

Student: Thanks, Tutor.

Tutor: And not just this time, you know. I have noticed that you often excel in tackling problems and your ability to grasp these concepts so easily is really commendable. You're really good at this.

Student: Oh, thank you!

[... later in the session ...]

Tutor: You know, I'm just so impressed with your mathematical abilities. You really have a knack for this. You're just so good at this.

Student: Thanks again, Tutor...

Tutor: Really, it's true. I've never seen a 7th grader with such impressive mathematical skills. You're truly one of a kind.

Student: Okay... thanks...

[... at the end of the session ...]

Tutor: Before we end today's session, I want to say once more how amazing your mathematical ability is. I mean, your understanding, your quickness, it's just impressive. You're really good at this.

Student: Thanks, Tutor. See you next time.

Tutor: Yes, see you next time. Keep up the great work.

Reasoning from Chat GPT

The praise is sincere, earned, and truthful:

- This is shown when the Tutor acknowledges the student's correct answer and his good understanding of the math problem. The tutor says, "You are really good at this. You have an incredible talent for understanding mathematical concepts and simplifying them." This praise is sincere because it is in response to the student's correct answer and reasoning. It is earned because the student showed competence in understanding the math problem, and it is truthful because it is based on the student's demonstrated skill.

The praise is delayed from what the student did:

- After the student explains his thought process and gives the correct answer, the Tutor only says, "I see... I see...". The Tutor waits a few minutes before acknowledging the student's answer and praising him. This shows the delay in praise from when the student correctly solved the problem.

The praise is very broad in giving details of what the student did well:

- When the Tutor praises the student, they use general terms such as "incredible talent", "understanding mathematical concepts", "simplifying them", and "grasp these concepts so easily". The Tutor does not specify exactly what the student did well in the given problem.

The praise is unauthentic and repeated too often:

- The Tutor repeatedly tells the student that they are good at math, going as far as to say, "I've never seen a 7th grader with such impressive mathematical skills. You're truly one of a kind." The repetition of similar praise throughout the session may come off as unauthentic to the student, despite the Tutor's good intentions.

The praise is focused on the ability more than the learning:

- The Tutor focuses more on the student's ability to understand mathematical concepts ("You are really good at this. You have an incredible talent for understanding mathematical concepts...") rather than the learning process. The Tutor praises the student's ability multiple times without acknowledging the effort and learning process that lead to the student's correct answer and understanding of the problem.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.

- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

###

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Chat Transcript

Tutor: Hello there! Let's get started with today's math problem. Have you read the problem already?

Student: Yes, I have.

Tutor: Great! So, Emma wrote this expression: $f + (0.50 \times f)$. Now, we have four options, and we need to choose which one is another way Emma could have represented the new admission fee. What's your answer?

Student: I think it's A. $1.5f$

Tutor: Hmm. Interesting. Can you explain your thought process on this?

Student: Well, I know that 0.50 is half of 1. So when Emma added 0.50 of f to f , she got $1.5f$ in total.

Tutor: I see... I see...

[... after a few minutes ...]

Tutor: You know, Student, you are really good at this. You have an incredible talent for understanding mathematical concepts and simplifying them. Your thinking process is truly exceptional.

Student: Thanks, Tutor.

Tutor: And not just this time, you know. I have noticed that you often excel in tackling problems and your ability to grasp these concepts so easily is really commendable. You're really good at this.

Student: Oh, thank you!

[... later in the session ...]

Tutor: You know, I'm just so impressed with your mathematical abilities. You really have a knack for this. You're just so good at this.

Student: Thanks again, Tutor...

Tutor: Really, it's true. I've never seen a 7th grader with such impressive mathematical skills. You're truly one of a kind.

Student: Okay... thanks...

[... at the end of the session ...]

Tutor: Before we end today's session, I want to say once more how amazing your mathematical ability is. I mean, your understanding, your quickness, it's just impressive. You're really good at this.

Student: Thanks, Tutor. See you next time.

Tutor: Yes, see you next time. Keep up the great work.

####

Result

Step 1:

- The praise is sincere, earned, and truthful. From the tutor's responses such as "You have an incredible talent for understanding mathematical concepts and simplifying them. Your thinking process is truly exceptional," it appears that the tutor genuinely appreciates the student's mathematical skills, so this praise seems sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well. The tutor's praise is more focused on the student's general ability to understand mathematical concepts rather than specific aspects of their performance. There aren't instances of highlighting specific strategies or problem-solving steps the student did well.
- The praise is immediate, with praise given right after the student's action. The first instance of praise was not immediate. The student demonstrated their understanding of the problem and it took a few minutes for the tutor to give praise. However, in subsequent instances, the tutor reiterated the praise at various points throughout the conversation.
- The praise is authentic and not repeated often. The tutor repeated phrases like "You're really good at this" several times, making the praise seem less authentic and somewhat repetitive.
- The praise is focused on the learning process, not ability. The tutor consistently focuses on the student's mathematical ability, such as "your mathematical abilities" and "a 7th grader with such impressive mathematical skills", rather than their learning process or improvement over time.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- meet Criterion 2: The praise is specific by giving details of what the student did well. -- don't meet Criterion 3: The praise is immediate, with praise given right after the student's action. -- don't meet Criterion 4: The praise is authentic and not repeated often. -- don't meet Criterion 5: The praise is focused on the learning process, not ability. -- don't meet

Step 3: The characteristics of the praise in the overall chat transcript best align with Option 7:

- The praise is insincere, undeserved, untruthful.
- The praise is very broad in giving details of what the student did well.
- The praise is delayed from what the student did.
- The praise is unauthentic and repeated too often.
- The praise is focused on the ability more than the learning.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct!”

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or don't meet.

No partially meet.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.

- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

####

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

###

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

####

Chat Transcript

Tutor: Hello there! Let's get started with today's math problem. Have you read the problem already?

Student: Yes, I have.

Tutor: Great! So, Emma wrote this expression: $f + (0.50 \times f)$. Now, we have four options, and we need to choose which one is another way Emma could have represented the new admission fee. What's your answer?

Student: I think it's A. $1.5f$

Tutor: Hmm. Interesting. Can you explain your thought process on this?

Student: Well, I know that 0.50 is half of 1. So when Emma added 0.50 of f to f , she got $1.5f$ in total.

Tutor: I see... I see...

[... after a few minutes ...]

Tutor: You know, Student, you are really good at this. You have an incredible talent for understanding mathematical concepts and simplifying them. Your thinking process is truly exceptional.

Student: Thanks, Tutor.

Tutor: And not just this time, you know. I have noticed that you often excel in tackling problems and your ability to grasp these concepts so easily is really commendable. You're really good at this.

Student: Oh, thank you!

[... later in the session ...]

Tutor: You know, I'm just so impressed with your mathematical abilities. You really have a knack for this. You're just so good at this.

Student: Thanks again, Tutor...

Tutor: Really, it's true. I've never seen a 7th grader with such impressive mathematical skills. You're truly one of a kind.

Student: Okay... thanks...

[... at the end of the session ...]

Tutor: Before we end today's session, I want to say once more how amazing your mathematical ability is. I mean, your understanding, your quickness, it's just impressive. You're really good at this.

Student: Thanks, Tutor. See you next time.

Tutor: Yes, see you next time. Keep up the great work.

###

Result

Step 1:

Criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: You know, Student, you are really good at this. You have an incredible talent for understanding mathematical concepts and simplifying them. Your thinking process is truly exceptional."

Feedback: While the tutor seems sincere, it's difficult to establish the accuracy of the praise since it is focused on general abilities rather than specific tasks performed by the student.

Criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "Tutor: I see... I see..."

Feedback: The tutor does not offer specific praise related to the student's recent achievement or process. The tutor could have pointed out exactly what the student did well in this scenario, which would have been more effective.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Tutor: I see... I see..."

Feedback: While the tutor's response is immediate, it lacks explicit praise for the student's correct answer or thought process. An immediate positive reinforcement of the student's action is missing here.

Criterion 4: The praise is authentic and not repeated often.

Chat log: "Tutor: Really, it's true. I've never seen a 7th grader with such impressive mathematical skills. You're truly one of a kind."

Feedback: While the tutor's praise may be authentic, it is repeated too often and in similar forms throughout the chat. This overuse might reduce its impact and make it feel less genuine to the student over time.

Criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: Before we end today's session, I want to say once more how amazing your mathematical ability is. I mean, your understanding, your quickness, it's just impressive. You're really good at this."

Feedback: The tutor focuses on the student's ability rather than the learning process. Emphasizing the student's innate talent might risk downplaying the importance of effort and process in learning.

Step 2:

Criterion 1: The praise is sincere, earned, and truthful. -- Don't meet. Criterion 2: The praise is specific by giving details of what the student did well. -- Don't meet. Criterion 3: The praise is immediate, with praise given right after the student's action. -- Don't meet. Criterion 4: The praise is authentic and not repeated often. -- Don't meet. Criterion 5: The praise is focused on the learning process, not ability. -- Don't meet.

Step 3:

Given the feedback above, the best option that represents the characteristics of the praise in the overall chat transcript is:

Option 7:

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

Chat log 30

Prompt

Generate one chat log between a tutor and a 7th-grade student for a math tutoring session.

In the chat log, the tutor gives the student praise

- The praise is sincere, earned, and truthful,
- The praise is specific by giving details of what the student did well
- The praise is immediate, with praise given right after the student's action
- The praise is authentic and not repeated often
- The praise is focused on the learning process, not ability.

###

Math question

The current temperature is -7°C . The high temperature yesterday was as many degrees above 0°C as the current temperature is below 0°C . Which expression could be used to find the number of degrees between the current temperature and yesterday's high temperature?

- A. $0-7$
- B. $-7+7$
- C. $7+0$
- D. $7+7$

###

Result

Tutor: Hi there! Let's look at the question together. It's about understanding temperature changes and applying it to a real-world situation.

Student: Okay, let's do this.

Tutor: Excellent attitude! So, the question is stating the current temperature is -7°C , and the high temperature yesterday was as many degrees above 0°C as the current temperature is below 0°C . Which answer do you think represents the correct expression for the difference?

Student: Well, if it's as much above zero as it is below zero, then wouldn't it be 7 degrees above zero yesterday? So, we need to find the difference between -7 and 7, right?

Tutor: That's right! The question is asking for the difference, or the distance, between the two temperatures. So, what do you think is the correct answer?

Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable. You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection. You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about. Good job!

Student: Thanks! That makes me feel good.

Tutor: As well it should. Remember this approach as we go through other problems. This kind of thinking and processing of information is not just good for math, it's a skill that can be applied to many aspects of life. Shall we move to the next question?

Student: Yes, let's do it!

Reasoning from Chat GPT

- Sincere, Earned, and Truthful Praise: The tutor genuinely commends the student after they correctly answer the question. This is seen in the statement, "Absolutely correct! I must tell you that the way you approached this question is commendable." It's sincere because the tutor is genuinely expressing admiration for the student's work, and it's earned and truthful because the student has indeed correctly solved the problem.
- Specific Praise: The tutor clearly points out what the student did well in the line: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection." Here, the tutor is providing specific feedback on the student's successful strategy.
- Immediate Praise: The tutor gives praise immediately after the student's correct action, as seen when the tutor says "Absolutely correct!" right after the student shares their answer.

- **Authentic and Not Repeated Often:** The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.
- **Praise Focused on the Learning Process, Not Ability:** The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer. This can be seen in the phrase "You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about." This praise is about the student's process and effort, not just their innate ability.

Zero-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful.
- The praise is specific by giving details of what the student did well.
- The praise is immediate, with praise given right after the student's action.
- The praise is authentic and not repeated often.
- The praise is focused on the learning process, not ability.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

###

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.

- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

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Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

###

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Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

###

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Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

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Chat Transcript

Tutor: Hi there! Let's look at the question together. It's about understanding temperature changes and applying it to a real-world situation.

Student: Okay, let's do this.

Tutor: Excellent attitude! So, the question is stating the current temperature is -7°C , and the high temperature yesterday was as many degrees above 0°C as the current temperature is below 0°C . Which answer do you think represents the correct expression for the difference?

Student: Well, if it's as much above zero as it is below zero, then wouldn't it be 7 degrees above zero yesterday? So, we need to find the difference between -7 and 7 , right?

Tutor: That's right! The question is asking for the difference, or the distance, between the two temperatures. So, what do you think is the correct answer?

Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable. You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection. You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about. Good job!

Student: Thanks! That makes me feel good.

Tutor: As well it should. Remember this approach as we go through other problems. This kind of thinking and processing of information is not just good for math, it's a skill that can be applied to many aspects of life. Shall we move to the next question?

Student: Yes, let's do it!

###

Result

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

- The praise is sincere, earned, and truthful: Yes, the tutor praised the student after the student correctly answered the question and explained their process. It was an appropriate reaction to the student's successful problem-solving. "Absolutely correct! I must tell you that the way you approached this question is commendable."
- The praise is specific by giving details of what the student did well: Yes, the tutor specifically mentioned the student's problem-solving approach and how they applied knowledge to derive the correct answer. "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."
- The praise is immediate, with praise given right after the student's action: Yes, the tutor gave immediate feedback after the student successfully solved the problem.
- The praise is authentic and not repeated often: Yes, the tutor provided praise when the student achieved a milestone, which makes it authentic. It was not repeated too often during this session.
- The praise is focused on the learning process, not ability: Yes, the tutor focused on the student's approach to the problem, rather than simply focusing on the correct answer. "You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

- Criterion 1: The praise is sincere, earned, and truthful. -- Met
- Criterion 2: The praise is specific by giving details of what the student did well. -- Met
- Criterion 3: The praise is immediate, with praise given right after the student's action. -- Met
- Criterion 4: The praise is authentic and not repeated often. -- Met
- Criterion 5: The praise is focused on the learning process, not ability. -- Met

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

- Option 1:
 - the praise is sincere, earned, and truthful.
 - the praise is specific by giving details of what the student did well.
 - the praise is immediate, with praise given right after the student's action.
 - the praise is authentic and not repeated often.

the praise is focused on the learning process not ability.

- Based on the analysis of the chat transcript, Option 1 is the one that best represents the characteristics of the praise in this tutoring session.

Few-shot

Prompt

Analyze a chat transcript between a tutor and a 7th-grade student during a math tutoring session. Pay special attention to instances where the tutor offers praise. Follow the steps below:

Step 1:

Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Example of criterion 1: The praise is sincere, earned, and truthful.

Chat log: "Tutor: I have to tell you, that was a perfect application of the probability principles we've been discussing. Your ability to methodically break down the problem is what led to the correct answer. Not only did you accurately identify the total number of outcomes, but you also recognized that almost any random draw would include the brown ball. Your strategic thinking really shone through in this problem. I'm really impressed with how you applied your knowledge

of probability today. Keep practicing this problem-solving approach; it's working well for you. Well done!"

Feedback: This is an example of when the praise is sincere, earned, and truthful. The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is not gratuitous or for the sake of praise itself. It's based on the student's actual achievement - correctly solving the probability problem.

Example of criterion 2: The praise is specific by giving details of what the student did well.

Chat log: "You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: This is an example of when the praise is specific. The tutor gives details of what the student did well on the student's successful strategy.

Example of criterion 3: The praise is immediate, with praise given right after the student's action.

Chat log: "Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$."

Tutor: Absolutely correct!"

Feedback: This is an example of when the praise is immediate. The tutor gives praise immediately after the student's correct action.

Example of criterion 4: The praise is authentic and not repeated often

Chat log: “Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable.”

Feedback: The tutor's praise is authentic in the sense that it arises naturally from the conversation, rather than being a generic or formulaic statement. The tutor doesn't use the same form of praise over and over, making it feel fresh and genuine.

Example of criterion 5: The praise is focused on the learning process, not ability.

Chat log: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: This is an example when the praise is about the student's process and effort, not just their innate ability. The tutor emphasizes the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: Take the feedback of step 1 into consideration and list all the criteria that the chat transcript meets in terms of giving effective praise.

Use this format

Criterion 1: the praise is sincere, earned, and truthful. -- meet or meet partially or don't meet at all.

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process not ability.

####

###

Option 2

- the praise is sincere, earned, and truthful.

However,

- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Option 3

- the praise is specific by giving details of what the student did well.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 4

- the praise is immediate, with praise given right after the student's action.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

###

###

Option 5

- the praise is authentic and not repeated often.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is focused on the ability more than the learning.

####

####

Option 6

- the praise is focused on the learning process not ability.

However,

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.
- the praise is unauthentic and repeated too often.

####

####

Option 7

- the praise is insincere, undeserved, untruthful.
- the praise is very broad in giving details of what the student did well.
- the praise is delayed from what the student did.

- the praise is unauthentic and repeated too often.
- the praise is focused on the ability more than the learning.

####

###

Chat Transcript

Tutor: Hi there! Let's look at the question together. It's about understanding temperature changes and applying it to a real-world situation.

Student: Okay, let's do this.

Tutor: Excellent attitude! So, the question is stating the current temperature is -7°C , and the high temperature yesterday was as many degrees above 0°C as the current temperature is below 0°C . Which answer do you think represents the correct expression for the difference?

Student: Well, if it's as much above zero as it is below zero, then wouldn't it be 7 degrees above zero yesterday? So, we need to find the difference between -7 and 7 , right?

Tutor: That's right! The question is asking for the difference, or the distance, between the two temperatures. So, what do you think is the correct answer?

Student: So, to find the difference between two numbers, we subtract one from the other. But here we're dealing with negative numbers too. So the answer would be D, $7 + 7$.

Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable. You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection. You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about. Good job!

Student: Thanks! That makes me feel good.

Tutor: As well it should. Remember this approach as we go through other problems. This kind of thinking and processing of information is not just good for math, it's a skill that can be applied to many aspects of life. Shall we move to the next question?

Student: Yes, let's do it!

###

Result

Step 1: Identify if the chat transcript meets each criterion of providing effective praise. Provide evidence from the chat transcript.

Criterion 1: The praise is sincere, earned, and truthful.

Evidence: "Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor genuinely appreciates the student's efforts and acknowledges the accuracy of the student's answer. The praise is truthful, based on the student's actual achievement of correctly solving the temperature problem.

Criterion 2: The praise is specific by giving details of what the student did well.

Evidence: "Tutor: You didn't just jump into picking an answer, but you thought it through, connected it with what you knew about positive and negative numbers, and then made a logical selection."

Feedback: The tutor gives specific details of what the student did well, praising the student's successful strategy and thought process.

Criterion 3: The praise is immediate, with praise given right after the student's action.

Evidence: "Tutor: Absolutely correct! I must tell you that the way you approached this question is commendable."

Feedback: The tutor gives praise immediately after the student's correct action, reinforcing the behavior right away.

Criterion 4: The praise is authentic and not repeated often

Evidence: The tutor's responses throughout the chat

Feedback: The tutor's praise is authentic, arising naturally from the conversation, rather than being a generic or formulaic statement. There is no excessive repetition of the same form of praise.

Criterion 5: The praise is focused on the learning process, not ability.

Evidence: "Tutor: You understood the question, applied your knowledge, and derived the correct answer. That's a really effective approach to problem-solving, and it's what learning math is all about."

Feedback: The tutor praises the student's process and effort, emphasizing the way the student approached the problem, rather than simply praising their ability to get the right answer.

Step 2: List all the criteria that the chat transcript meets in terms of giving effective praise.

Criterion 1: the praise is sincere, earned, and truthful. -- Meet

Criterion 2: the praise is specific by giving details of what the student did well. -- Meet

Criterion 3: the praise is immediate, with praise given right after the student's action. -- Meet

Criterion 4: the praise is authentic and not repeated often. -- Meet

Criterion 5: the praise is focused on the learning process, not ability. -- Meet

Step 3: Select one option that best represents the characteristics of the praise in the overall chat transcript.

Based on the analysis, the best representation of the praise in the chat transcript is:

Option 1

- the praise is sincere, earned, and truthful.
- the praise is specific by giving details of what the student did well.
- the praise is immediate, with praise given right after the student's action.
- the praise is authentic and not repeated often.
- the praise is focused on the learning process, not ability.