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Grade received **100%** To pass 80% or higher

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## \*Weekly challenge 1\*

Latest Submission Grade 100%

1. Structured thinking involves which of the following processes? Select all that apply.

1 / 1 point

☒ Recognizing the current problem or situation

✔ **Correct**

Structured thinking involves recognizing the current problem or situation, organizing available information, revealing gaps and opportunities, and identifying the options.

☐ Asking SMART questions

☒ Revealing gaps and opportunities

✔ **Correct**

Structured thinking involves recognizing the current problem or situation, organizing available information, revealing gaps and opportunities, and identifying the options.

☒ Organizing available information

✔ **Correct**

Structured thinking involves recognizing the current problem or situation, organizing available information, revealing gaps and opportunities, and identifying the options.

2. A data analyst creates data visualizations and a slideshow. Which phase of the data analysis process does this describe?

1 / 1 point

☐ Process

☐ Prepare

☐ Act

☒ Share

✔ **Correct**

This describes the share phase of the data analysis process.

3. A recycling center that sponsors a podcast about saving the environment is an example of what strategy?

1 / 1 point

☐ Making recommendations

☐ Staying on budget

☐ Defining the problem to be solved

☒ Trying to reach a target audience

✔ **Correct**

A recycling center sponsoring a podcast about saving the environment is an example of reaching a target audience. In this scenario, people who care about the environment are likely to be interested in recycling.

4. Making predictions is one of the six data analytics problem types. It deals with using data to inform decisions about how things may be in the future. Select the scenario that's an example of making predictions.

1 / 1 point

- ☐ A data analyst at a gas company uses historical data to analyze which time of year customers use the most gas.
- ☐ A data analyst at a technology company uses data to identify a unique drop in social media engagement.
- ☒ A data analyst at a shoe retailer uses data to inform the marketing plan for an upcoming summer sale.
- ☐ A data analyst at a school system uses data to make a connection between home sales and new student enrollment.



Correct

A data analyst at a shoe retailer using data to inform the marketing plan for an upcoming summer sale is an example of making predictions.

5. Categorizing things involves assigning items to categories. Identifying themes takes those categories a step further, grouping them into broader themes or classifications.

1 / 1 point

- ☒ True
- ☐ False



Correct

Categorizing things involves assigning items to categories. Identifying themes takes those categories a step further, grouping them into broader themes or classifications.

6. Which of the following examples are closed-ended questions? Select all that apply.

1 / 1 point

- ☒ Is math your favorite subject?



Correct

Closed-ended questions don't encourage people to elaborate and share valuable details.

- ☒ How old are you?



Correct

Closed-ended questions don't encourage people to elaborate and share valuable details.

- ☐ What are your thoughts about math?

- ☒ What grade did you get on the math test?



Correct

Closed-ended questions don't encourage people to elaborate and share valuable details.

7. The question, "Why was the Monday afternoon yoga class successful?" is not measurable. Which of the following questions presents a measurable way to learn about the yoga class?

1 / 1 point

- ☐ Is yoga a great way to stretch and strengthen your body?
- ☐ Why do people like taking yoga classes on Mondays?
- ☐ Do yoga instructors seem more energetic at the beginning of the week?
- ☒ How many customers responded to our half-price yoga promotion?



Correct

The number of customers who responded to the promotion can be counted, making this question measurable.

8. On a customer service questionnaire, a data analyst asks, "If you could contact our customer service department via chat, how much valuable time would that save you?" Why is this question unfair?

1 / 1 point

- ☒ It makes assumptions
- ☐ It is vague
- ☐ It is closed-ended
- ☐ It uses slang words that not everyone can understand



**Correct**

A common example of an unfair question is one that makes assumptions. These are questions that assume the answer to the question being asked.