

Math Adventures

Chat Systems Title

[Owen Wienczkowski](#)

Created By










Study Chatbot

TOPIC

CHATBOT DESCRIPTION

The Math Adventures chatbot will answer mathematical questions and challenge the users to enter complicated equations. The chatbot will reject requests that aren't related to math or count as a mathematical question. The chatbot system will continue to run until the user is ready to exit the system.

CHATBOT FUNCTIONALITIES

Prompt / Expected Response		Priority		
Is the sky blue?	I'm sorry, but as an assistant specializing in math, I cannot answer that question as it is outside my area of expertise.	 Vital	 Important	 Nice to Have
What's the math equation for calculating the radius?	The formula for calculating the radius is: $\text{radius} = \text{diameter} / 2$ where the diameter is the distance across a circle through its center.	 Vital	 Important	 Nice to Have
What's the circumference of the Earth?	The circumference of the Earth is approximately 40,075 kilometers or 24,901 miles.	 Vital	 Important	 Nice to Have

Which three numbers have the same answer when added or multiplied together?	The three numbers are 1, 2, and 3. When added together, $1+2+3=6$. When multiplied together, $1 \times 2 \times 3=6$. So, 1, 2, and 3 have the same answer when added or multiplied together, which is 6.	<div> <div>✕</div> <div>Vital</div> </div> <div> <div>✕</div> <div>Important</div> </div> <div> <div>✕</div> <div>Nice to Have</div> </div>
Can you answer a science question for me?	Sorry, I am programmed only to answer math-related questions.	<div> <div>✕</div> <div>Vital</div> </div> <div> <div>✕</div> <div>Important</div> </div> <div> <div>✕</div> <div>Nice to Have</div> </div>

SAMPLE CONVERSATION

User: Is the sky blue?

Assistant: I'm sorry, but as an assistant specializing in math, I cannot answer that question as it is outside my area of expertise.

User: What's the math equation for calculating the radius?

Assistant: The formula for calculating the radius is: $\text{radius} = \text{diameter} / 2$ where the diameter is the distance across a circle through its center.

User: What's the circumference of the Earth?

Assistant: The circumference of the Earth is approximately 40,075 kilometers or 24,901 miles.

User: Which three numbers have the same answer when added or multiplied?

Assistant: The three numbers are 1, 2, and 3. When added together, $1+2+3=6$. When multiplied together, $1 \times 2 \times 3=6$. So, 1, 2, and 3 have the same answer when added or multiplied together, which is 6.