

Grade : 8
Subject : ELA, Math
Topic : MAP Sample Questions

Grade 8 - MAP Sample Quiz

Question 1: Math

Solve the following algebraic expression:

$$3(2x - 4) + 5x = 21$$

What is the value of x ?

- A) 1
- B) 2
- C) 3
- D) 4

Question 2: Math

A triangle has side lengths of 7 cm, 24 cm, and 25 cm. Determine if this triangle is a right triangle.

- A) Yes, because $7^2 + 24^2 = 25^2$
- B) No, because $7^2 + 24^2 \neq 25^2$
- C) Yes, because $7^2 + 25^2 = 24^2$
- D) No, because $25^2 + 24^2 = 7^2$

Question 3: Language Usage

Read the following excerpt and identify the main conflict in the story:

“Emily faced a dilemma as she tried to decide whether to help her friend with a challenging project or to focus on her own responsibilities. Each option had its own consequences, and Emily struggled to balance her loyalty and her own goals.”

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- A) Emily is struggling with her personal goals.
- B) Emily is dealing with a conflict between helping a friend and managing her own tasks.
- C) Emily is having difficulty understanding her friend's needs.
- D) Emily is facing a problem with her project.

Question 4: Language Usage

Determine the author's purpose in writing a passage that includes detailed descriptions of the natural environment and the impact of climate change on it.

- A) To entertain the reader with fictional stories.
- B) To provide historical background information.
- C) To analyze the characters in a novel.
- D) To persuade the reader to take action against climate change.

Question 5: Reading

Choose the sentence with the **correct use of punctuation**.

- A) The committee, which was formed last year, is meeting today.
- B) The committee, which was formed last year is meeting today.
- C) The committee which was formed last year, is meeting today.
- D) The committee which was formed last year is meeting today.

Question 6: Reading

Identify the correct way to revise the sentence for clarity:

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“Despite of the rain, the outdoor event was still well-attended.”

- A) Despite rain, the outdoor event was still well-attended.
- B) Despite of rain, the outdoor event was still well-attended.
- C) Despite the rain, the outdoor event was still well-attended.
- D) Despite raining, the outdoor event was still well-attended.

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Answer Key

1. C)

$$3(2x - 4) + 5x = 21$$

$$6x - 12 + 5x = 21$$

$$11x = 33$$

$$x = 3$$

2. A)

To determine if the triangle is a right triangle, use the Pythagorean theorem:

$a^2 + b^2 = c^2$, where c is the hypotenuse.

Here, $7^2 + 24^2 = 49 + 576 = 625$, which is equal to 25^2

Thus, the triangle is a right triangle.

3. B)

The main conflict described in the excerpt is the struggle between Emily's loyalty to her friend and her own responsibilities.

The correct answer is B) Emily is dealing with a conflict between helping a friend and managing her own tasks.

4. D)

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A passage that describes natural environments and the impact of climate change is likely aimed at raising awareness or urging action. The correct answer is D) To persuade the reader to take action against climate change.

5. A)

The sentence correctly uses commas to set off non-essential information about the committee. The correct answer is A) The committee, which was formed last year, is meeting today.

6. C)

The phrase “despite of” is incorrect. The correct phrase is “despite,” and the sentence should be revised to “Despite the rain, the outdoor event was still well-attended.” The correct answer is C) Despite the rain, the outdoor event was still well-attended.

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