



# TEAS-SECTION-3<sup>Q&As</sup>

Test of Essential Academic Skills - Math Problem Solving

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### QUESTION 1

a is inversely proportional to  $(b - 4)$ . If  $a = 8$  and  $b = 22$ , express a in terms of b.

A.  $a = 32(b - 2)$

B. 
$$a = \frac{144}{(b - 4)}$$

C. 
$$b = \frac{72}{a - 4}$$

D.  $a = 144b - 4$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

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### QUESTION 2

A review of data from 18 different studies found that there was a reduction in the risk of type 2 diabetes as people increased their consumption of coffee.

What valid conclusion can be made about the relationship between the consumption of coffee and the risk of type 2 diabetes, based on the results of this review?

A. Studies have evidenced a positive covariance between coffee consumption and risk of type 2 diabetes.

B. Studies have suggested that coffee consumption and risk of type 2 diabetes are uncorrelated.

C. Studies have evidenced a random covariance between coffee consumption and risk of type 2 diabetes.

D. Studies have evidenced a negative covariance between coffee consumption and risk of type 2 diabetes.

Correct Answer: D

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### QUESTION 3

Hamza purchased six 2-liter bottles of soft drink to serve at a pizza party with friends.

If the group drank 7,264 cubic centimeters of the soda during the party, about how many liters of soft drinks remained

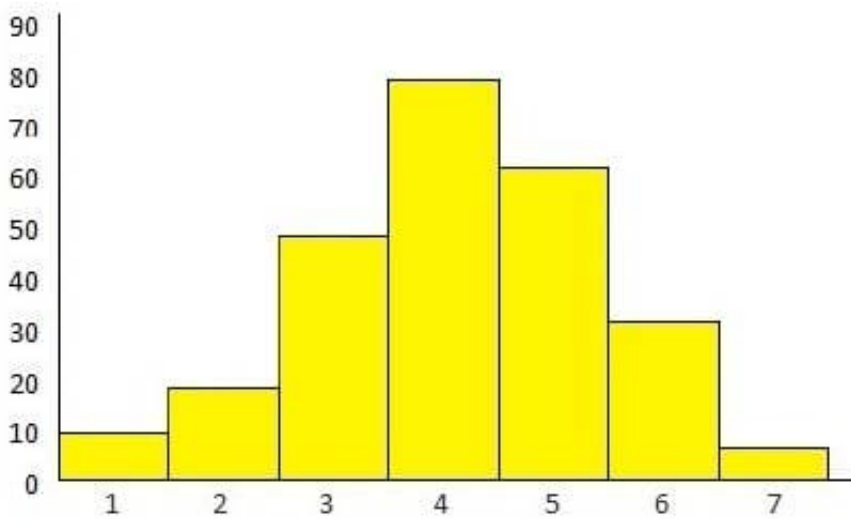


afterward?

- A. 2 liters
- B. 7 liters
- C. 3 liters
- D. 5 liters

Correct Answer: D

**QUESTION 4**



Which answer choice most accurately describes the distribution observed in the graph?

- A. normal
- B. plateau
- C. skewed left
- D. bimodal

Correct Answer: A

**QUESTION 5**

Simplify to a fraction in lowest terms:



$$\frac{6 + 9}{6 \times 9}$$

- A. 1/9
- B. 5/18
- C. 0.277
- D. 15/24

Correct Answer: B

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