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Vendor:TEAS

Exam Code:TEAS-SECTION-3

Exam Name:Test of Essential Academic Skills - Math
Problem Solving

Version:Demo

QUESTION 1

Patti's base salary last year was \$65,000, not including her year-end bonus. When she checked her human resources profile, she saw that her total compensation added up to \$77,500. This total included her bonus, as well as health benefits equivalent to 15% of her base salary.

Rounded to the nearest tenth, what percentage of Patti's base salary plus benefits was her bonus?

- A. 3.6%
- B. 23.6%
- C. 3.7%
- D. 4.2%

Correct Answer: C

QUESTION 2

Yesterday, Fatima trained for 6.25 hours, riding her bicycle under various conditions. During her workout, she managed to ride 114.75 miles total.

What was her average speed during this training session?

- A. 18.36 miles per hour
- B. 19.61 miles per hour
- C. 21.00 miles per hour
- D. 18.22 miles per hour

Correct Answer: A

QUESTION 3

Which of these expresses $\frac{33}{80}$ as a decimal?

- A. 0.345
- B. 0.4125
- C. 4.125
- D. 0.0412

Correct Answer: B

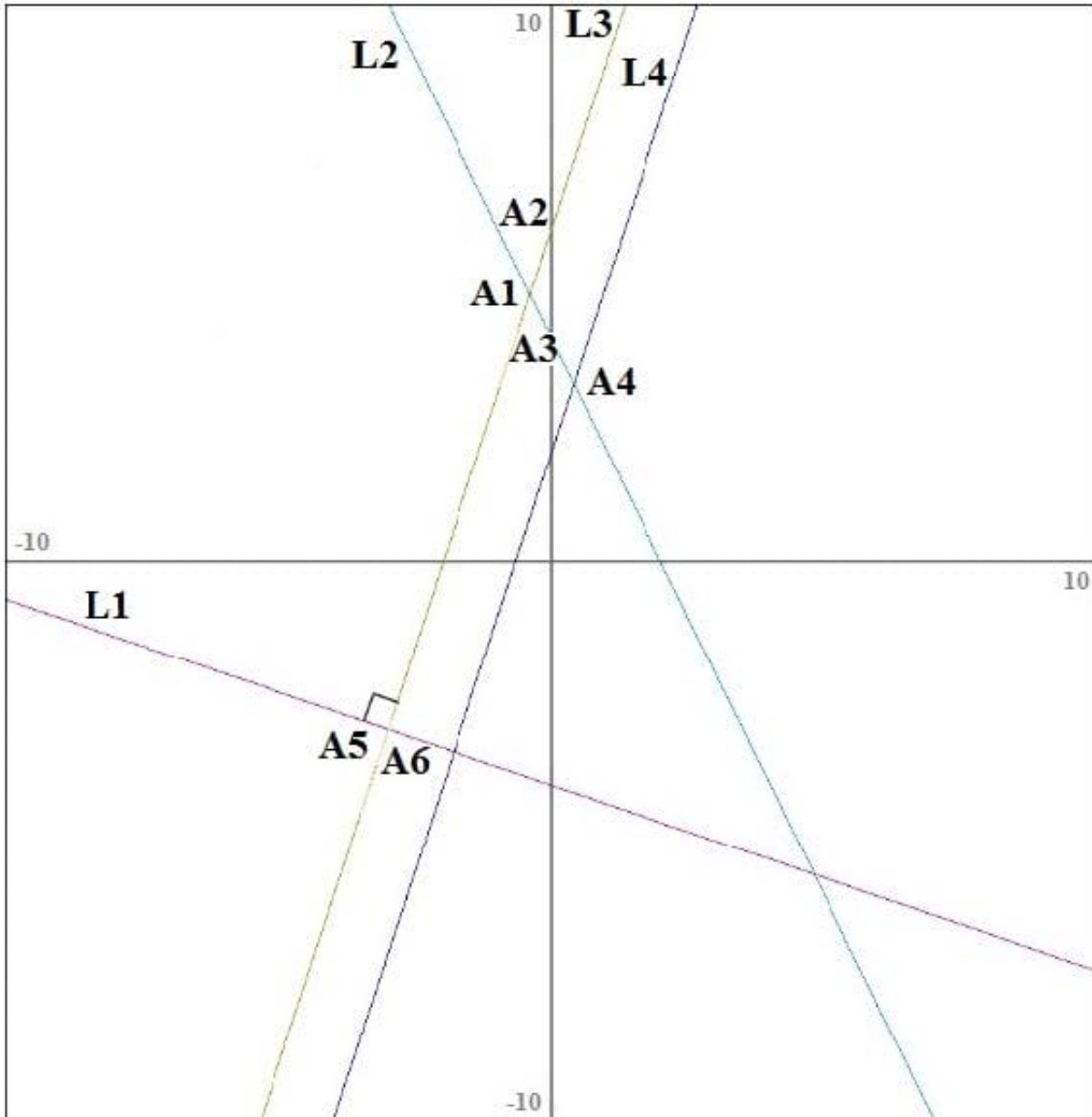
QUESTION 4

Three numbers x , y , and 27 have a mean of 30. Five numbers x , y , 27, a , and b have a mean of 45. What is the mean of a and b ?

- A. 69
- B. 70
- C. 67.5
- D. 25

Correct Answer: C

QUESTION 5



In the figure, which of the angles are acute angles?

- A. angles A4 and A6
- B. angles A1 and A4
- C. angles A2 and A3
- D. There are no acute angles in the figure.

Correct Answer: C

QUESTION 6

A group of friends set aside four days to drive across a particularly scenic region of the country, stopping at popular

tourist spots along the way. They covered $\frac{1}{4}$ of the distance on day one, another $\frac{4}{9}$ on day two, and $\frac{1}{6}$ of the trip on day three.

What fraction of the total trip had they completed by the end of the third day?

- A. $\frac{12}{49}$
- B. $\frac{21}{36}$
- C. $\frac{31}{36}$
- D. $\frac{6}{9}$

Correct Answer: C

QUESTION 7

Choose the algebraic expression that best represents the following situation: Jeral's test score (J) was 5 points higher than half of Kara's test score (K).

- A. $K = \frac{1}{2} \times J - 5$
- B. $J = \frac{1}{2} \times K + 5$
- C. $J = 2K - 5$
- D. $K = (J - \frac{1}{2}) - 5$

Correct Answer: B

QUESTION 8

What is the number a, if the result of adding a to 80 is the same as subtracting 2a from 272?

- A. -64
- B. 64
- C. 192
- D. 62

Correct Answer: B

QUESTION 9

Given that 5 cm on a map represents 4 km on the ground, calculate the distance in km between two points, which are 8 cm apart on the map.

- A. 64 km

- B. 10 km
- C. 6.4 km
- D. 2.5 km

Correct Answer: C

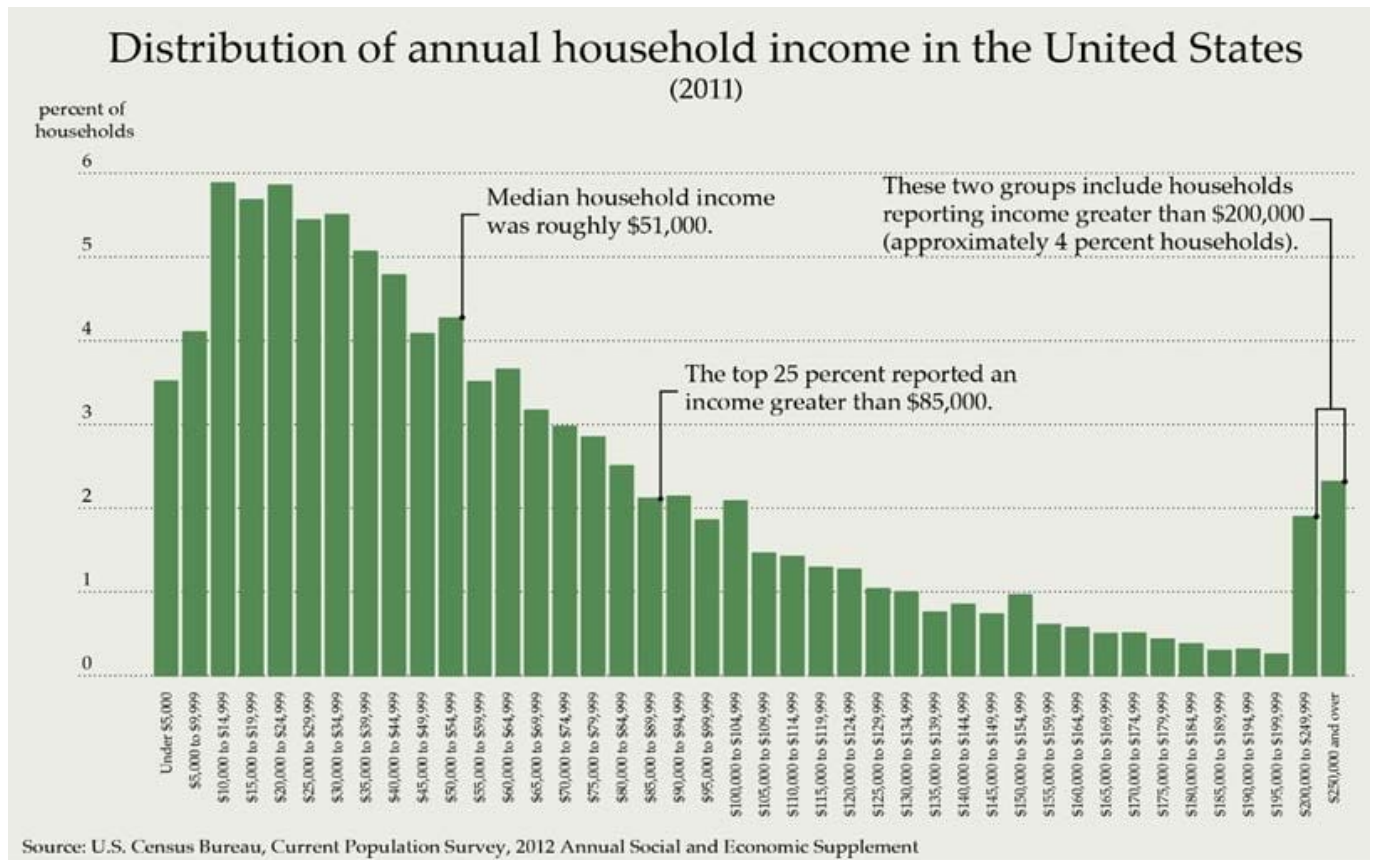
QUESTION 10

What is the median for this set of numbers? 9, 1, 4, 8, 7, 8, 4, 2, 10, 9, 4

- A. 6
- B. 10
- C. 7
- D. 8

Correct Answer: C

QUESTION 11



Referring to the graphic, what is the meaning of this statement? "Median household income was roughly \$51,000."

- A. The average of all the reported household incomes was \$51,000.
- B. Most of the households had an income of \$51,000.
- C. Half of the households reported an income below this level and half reported an income above this level.
- D. The average household income was \$51,000 less than the maximum household income.

Correct Answer: C

QUESTION 12

A football player scored the following number of field goals in eleven games:

1, 0, 0, 2, 2, 0, 1, 2, 3, 1, 2

What is the modal score?

- A. 0
- B. 3
- C. 1
- D. 2

Correct Answer: D