

93 • The Number System

Which coordinate pair is (3, 16) reflected across the y-axis?

- a) (-3, 16)
- b) (3, -16)
- c) (16, -3)

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Card 94: b

Name _____

Period _____

Math Review Sheet #14

Due Date _____

9 • Ratios and Proportional Relationships

The ratio of boys to girls in a class is 1:1. What does this ratio mean?

- a) There are more boys than girls in the class.
- b) There are more girls than boys in the class.
- c) There are equal numbers of girls and boys in the class.

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Card 10: b

126 • The Number System

Megan went for a walk. She walked 2 miles before turning around and walking back 3 miles on the same path. This means she was -1 miles from her original starting point. Why should you use absolute value to describe this new location?

- a) The answer is negative.
- b) Distance can't be negative.
- c) She walked on the same path.

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Card 125: a

103 • The Number System

On a number line oriented from left to right, what does the statement $-4 < -2$ mean?

- a) -4 is located to the right of -2.
- b) -2 is located to the right of -4.
- c) -2 is two units to the left of -4.

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Card 104: b

162 • Expressions and Equations

Find the area of a triangle given the formula $A = \frac{1}{2}(b)(h)$ if the base is 3 mm long and height is 10 mm.

- a) 7.5 mm^2
- b) 15 mm^2
- c) 30 mm^2

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Card 161: a

123 • The Number System

Which number is 15 units from 0 on the number line?

- a) $|-15|$
- b) $|\frac{-1}{15}|$
- c) $|\frac{1}{15}|$

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Card 124: c

2 • Ratios and Proportional Relationships

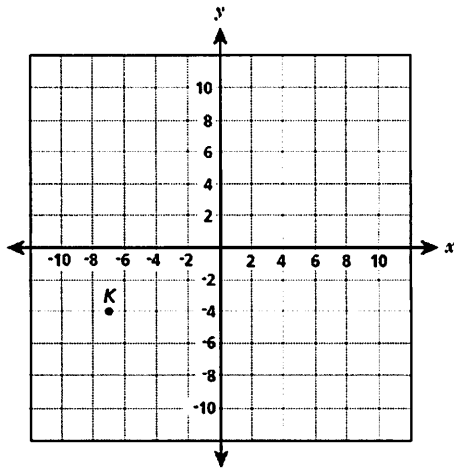
For every 20 orders of pepperoni pizza at a pizzeria, there are 12 orders of cheese pizza. Which ratio represents the ratio of pepperoni pizzas to cheese pizzas?

- a) 10:6
- b) 6:10
- c) 40:12

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Card 1: b

8. What are the coordinates of point K?



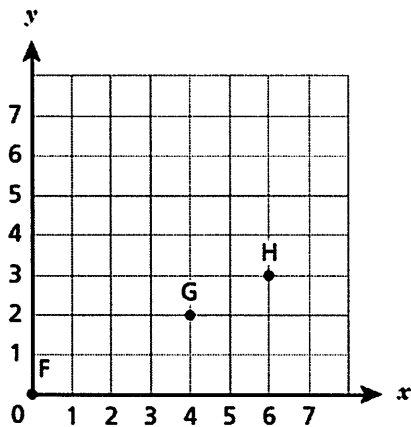
9. Lars wrote rules for two patterns.

Pattern for x-values	Pattern for y-values
Starting number = 1	Starting number = 1
Rule: Add 2	Rule: Multiply by 2

Lars then wrote ordered pairs (x, y) using the patterns above. Which ordered pair could Lars have written?

- A. (2, 3) B. (3, 2) C. (3, 6) D. (5, 5)

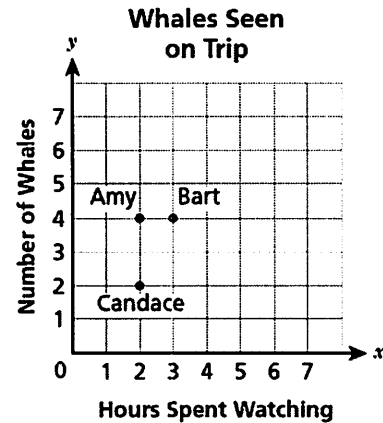
10. Points F, G, and H are represented on the grid shown below.



Which statement is true for each of the points?

- A. The x -coordinate is $\frac{1}{2}$ the y -coordinate
 B. The x -coordinate is 2 times the y -coordinate
 C. The x -coordinate is 2 more than the y -coordinate
 D. The x -coordinate is 3 more than the y -coordinate

11. Amy, Bart and Candice went on a whale watching trip. On the coordinate plane below, x represents the number of hours they spent whale watching and y represents the number of whales seen.



Which statement is true based on the points plotted on the grid?

- A. Bart saw 3 whales in 4 hours.
 B. Bart saw 1 more whale than Amy.
 C. Amy and Bart saw the same number of whales.
 D. Amy and Candace saw the same number of whales.

12. The coordinates of the vertices of a rectangle are $(-2, 3)$, $(4, 3)$, $(4, -4)$, and $(-2, -4)$.

Part A:

What are the dimensions of the rectangle?

- A. 1 unit by 2 units
 B. 1 unit by 6 units
 C. 7 units by 2 units
 D. 7 units by 6 units

Part B:

Find the Area and Perimeter of the Rectangle.

Area _____

Perimeter _____