

6th Grade 4th Quarter Assessment

Name: _____

Date: _____

Multiple Choice Questions

Select the one best answer for each question.

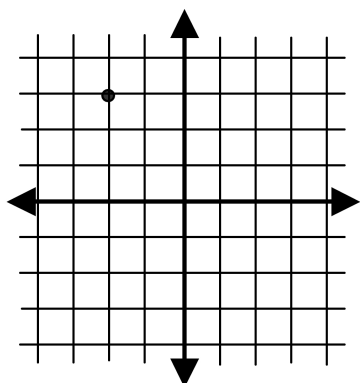
1. How many more magazines were sold in 1990 than in 1989?



- A. about 50 more magazines
- B. about 100 more magazines
- C. about 200 more magazines
- D. about 250 more magazines
2. If you save \$20 per month, how much will you save in 3 years?
- A. \$60
- B. \$120
- C. \$240
- D. \$720

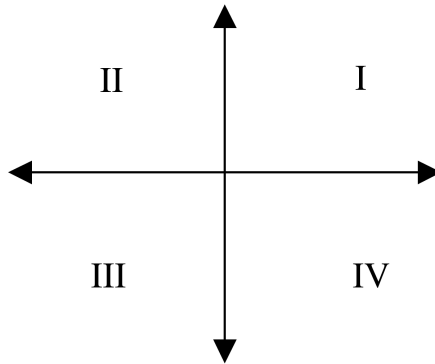
3. If you eat 300 hot dogs in 60 days, how many hot dogs per day did you eat, on average?
- A. 3
 - B. 5
 - C. 18
 - D. 50
4. If you ride a bike 40 miles in 5 hours, how fast were you biking?
- A. $\frac{1}{8}$ mile per hour
 - B. 8 miles per hour
 - C. 45 miles per hour
 - D. 200 miles per hour

5. What are the coordinates of the point shown below?



- A. $(2, 3)$
- B. $(2, -3)$
- C. $(-2, 3)$
- D. $(-2, -3)$

6. Which of these ordered pairs can be found in the first quadrant?



- A. $(-2, 3)$
B. $(2, 3)$
C. $(2, -3)$
D. $(-2, -3)$
7. Jason had c cookies in his lunch bag. He ate 3 cookies. Which algebraic expression represents the number of cookies left in the bag?

- A. $c + 3$
B. $c - 3$
C. $3 - c$
D. $3 \div c$

8. Sam is an inch taller than twice the height of Al. If Al's height is A , which expression represents Sam's height?
- A. $1A + 2$
 - B. $2A + 1$
 - C. $2(A + 1)$
 - D. $2(A - 1)$
9. Justin tells Ali he has x number of cars. Ali has three more than twice this number of model cars. Which of the following expressions represents the number of model cars Ali has?
- A. $3x$
 - B. $3 + x$
 - C. $2(3 + x)$
 - D. $3 + 2x$
10. Select the equation that correctly expresses the relationship shown in the table between what a person is paid and the number of hours she works.
- | Pay | Hours (H) |
|------------|------------------|
| \$5.35 | 1 |
| \$10.70 | 2 |
| \$16.05 | 3 |
- A. $5.35 \times H$
 - B. $H + 5.35$
 - C. $5.35 \div H$
 - D. 5.35

11. A new video game system costs \$120.00. It costs \$25.00 more than an older game system. If c is the cost of the older video game system, which equation should you use to calculate the cost of the older game?
- A. $\$120 = \$145.00 - c$
 - B. $\$120 = \$145.00 + c$
 - C. $\$120 = \$25.00 - c$
 - D. $\$120 = \$25.00 + c$
12. Find the value of x when $5x = 65$.
- A. 8
 - B. 13
 - C. 32
 - D. 52
13. Find the value of x when $2x - 5 = 21$.
- A. 8
 - B. 13
 - C. 32
 - D. 52

14. What can you do mathematically to change the equation $x + 5 = 25$ into $x = 20$?

- A. Add 5 to both sides of the equation.
- B. Subtract 5 from both sides of the equation.
- C. Let $x = 5$.
- D. Graph the equation on the number line.

15. How should you solve the equation $5x = 25$?

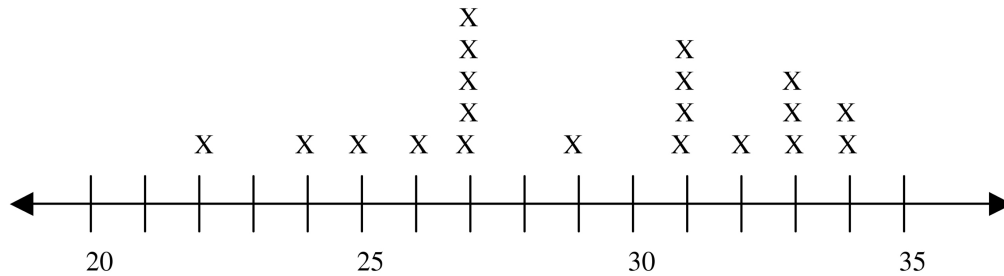
- A. Subtract 5 from both sides of the equation.
- B. Subtract 5 from the left side and 20 from the right side.
- C. Divide both sides of the equation by 5.
- D. Divide the left side by x and the right side by 5.

16. Solve this equation: $2x + 8 = 14$

Then explain below how you got your answer.

- A. $x = 3$
- B. $x = 6$
- C. $x = 11$
- D. $x = 16$

17. This line plot represents the number of raisins that Janika's class counted in each of the 20 boxes of cereal. What is the median number of raisins in a box?



- A. 27
- B. 29
- C. 30
- D. 31
18. Colin rolls a number cube 20 times with the following results: 3, 5, 1, 2, 3, 6, 1, 2, 5, 3, 1, 5, 5, 6, 6, 1, 1, 4, 2, 2. What is the relative frequency of the number 5?
- A. $\frac{1}{4}$
- B. $\frac{1}{5}$
- C. $\frac{4}{5}$
- D. $\frac{1}{20}$