GA Milestone Review #4

**This is due Thursday, April 14th for a formative grade.**

1. Use the data in the table to write an equation.

|  |  |
| --- | --- |
| x | y |
| 0 | 4 |
| 2 | 10 |
| 4 | 16 |

a. y=2x-1 c. y=6x-2

b. y=3x+4 d. y=5x+3

2. Dr. Furr measures the length and mass of a hamster. Which units is she most likely to use?

a. millimeters, grams

b. millimeters, kilograms

c. meters, grams

d. meters, kilograms

3. What is the area of a triangle with a base of 15 and a height of 9?

a. 67.5 in² c. 135 in²

b. 72 in² d. 162 in²

4. Evaluate

a. c.

b. d.

5. Which of the following has a value less than 0?

a. │15│ c. │-12│

b. **-**│-9│ d. │18│

6. In the expression , and 3 are examples of which of the following?

a. coefficients c. factors

b. variables d. terms

7. How many cups are there in 7 gallons? (16cups=1gallon)

a. 28 cups c. 112 cups

b. 102 cups d. 125 cups

8. Evaluate 7 + 2 • 9 + (14 - 3).

a. 43 c. 29

b. 36 d. 92

9. Start at the origin. Point J is 3 units left and 2 units down. What are the coordinates of J?

a. (3,2) c. (3,-2)

b. (-3,2) d. (-3,-2)

10. There are 16 girls and 13 boys in Mrs. Wilson's class. What is the ratio of girls to total students in Mrs. Wilson's class?

a. 16:13 c. 13:29

b. 13:16 d. 16:29

11. What is 25% of 60?

a. 6 c. 30

b. 15 d. 80

12. Which shows an equivalent expression to ?

a. c.

b. d.

13. A fish tank has a base that measures 32.5 inches and a width that measures 18.3 inches. Its height is 12 inches. If the tank is filled to the top, how many cubic inches of water will it hold?

a. 7,137 in.³ c. 615.6 in.³

b. 606.75 in.³ d. 185 in.³

14. Every day for one week, Kurt recorded the number of customers who bought blueberry muffins at his café. The customer counts are 13, 8, 12, 15, 11, 20, and 19. What is the mean of the data?

a. 11 c. 13

b. 12 d. 14

15. Find the absolute value of │-54│

a. -54 c. 1

b. 0 d. 54

16. What is the surface area of the prism?



a. 24 in.² c. 48 in.²

b. 26 in.² d. 52 in.²

17. The prices of karaoke machines at 6 different stores are $77.00, $85.00, $78.00, $72.00, $80.00, and $245.00. What is the outlier in the data set?

a. $72.00 c. $85.00

b. $79.00 d. $245.00

18. The Atlanta Journal Constitution reported that 4 out of every 10 Atlanta residents are male. What percent of Atlanta's residents are male?

a. 400% c. 4%

b. 40% d. 0.4%

19. Henry paid $2.52 for 12 ounces of crackers. What is the unit rate?

a. $0.21/1 oz. c. $2.52/12 oz.

b. $4.76/1 oz. d. $30.24/12 oz.

20. Which ratio is equivalent to 8/24?

a. 4/24 c. 4/12

b. 6/24 d. 12/28