

REVIEW for Chapter 1 Test - PreAlgebra

Write the letter for the correct answer in the blank at the right of each question.

1. Sal had ten eggs and three broke. Which expression represents the number of eggs Sal has left?
A. 3×10 B. $10 - 3$ C. $3 + 10$ D. $3 \div 10$ 1. _____
2. Which expression represents the age of a person thirteen years older than you?
F. $n - 13$ G. $13n$ H. $n + 13$ J. $13 - n$ 2. _____
3. Stephanie divided 48 flowers evenly among bouquets. Which expression represents the number of bouquets?
A. $48 + n$ B. $48 - n$ C. $\frac{48}{n}$ D. $48n$ 3. _____
4. One inch is equal to 2.54 centimeters. Which expression represents the number of inches for any given number of centimeters?
F. $x - 2.54$ G. $2.54 \cdot x$ H. $2.54 + x$ J. $x \div 2.54$ 4. _____
5. What is the value of the expression $6(8 - 2)$?
A. 4 B. 28 C. 36 D. 46 5. _____
6. What number is equivalent to $7(2 + 6) - 18 \div 3$?
F. 1 G. 16 H. 50 J. 56 6. _____
7. What is the value of $ab - 5$ when $a = 7$ and $b = 4$?
A. 23 B. 28 C. 33 D. 37 7. _____
8. When $r = 8$ and $s = 5$, what is the value of $r + 2s - 9$?
F. 1 G. 9 H. 17 J. 24 8. _____
9. What is the value of $u + 4v - w$, if $u = 10$, $v = 4$, and $w = 6$?
A. 16 B. 19 C. 20 D. 40 9. _____
10. Which property of multiplication supports the fact that $11 \cdot 0 = 0$?
F. Associative H. Identity
G. Commutative J. Zero 10. _____
11. Which property of addition supports the fact that $11 + a + c = a + c + 11$?
A. Associative C. Identity
B. Commutative D. Substitution 11. _____

Review for Chapter 1 Test *(continued)*

12. Lilly and her three sisters bought a video game for \$60. They each paid the same amount. About how much did each girl pay?

- F. \$15 G. \$20 H. \$25 J. \$30

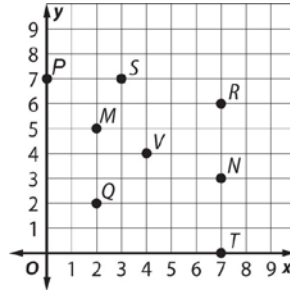
12. _____

13. A square rug has side lengths of 72 inches. The edges of the rug are to be trimmed in tile. Strips of tile are sold in 4-inch lengths. How many strips of tile are needed to surround the rug?

- A. 18 B. 36 C. 72 D. 284

13. _____

For Exercises 14-15, refer to the coordinate plane.



14. Choose the point for the ordered pair (7, 3).

- F. *M* H. *S*
G. *N* J. *V*

14. _____

15. Which ordered pair names point *M*?

- A. (5, 2) C. (2, 5)
B. (3, 8) D. (6, 4)

15. _____

16. Sara lines up stickers with the following colors: gold, yellow, blue, pink, gold, yellow, blue, pink ... If she continues in this way, what will be the color of the 30th sticker?

- F. gold G. yellow H. blue J. pink

16. _____

The table shows the relation between *x* and *y*. Use the table for Exercises 17 and 18.

17. Which two numbers complete the table?

- A. 5, 4 C. 7, 9
B. 8, 10 D. 9, 11

<i>x</i>	<i>y</i>
1	0
3	2
5	4
7	6
8	
10	

17. _____

18. Which equation represents the relationship between *x* and *y*?

- F. $y = x$ H. $y = x + 1$
G. $y = x - 1$ J. $y = 0$

18. _____

19. Mel used half of her film to take pictures of her dog. Then she took 10 pictures of her cat. She has 14 exposures left before she runs out of film. For how many exposures was the film originally rated?

19. _____

20. A scuba trip costs \$80 plus \$45 for each diver. Write and evaluate an expression to find the total cost for 6 divers.

20. _____