
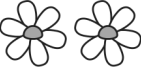




HW_ Week 5_Day 1_Combining Like Terms

Name: _____

Date: _____

1. What is the value of the expression $10^3 - 5^3$?
A. 5 B. 15 C. 125 D. 875
2. What is the value of the expression below?
 $27 - (9 - 6)^2 \times 3$
A. 54 B. 9 C. 0 D. -108
3. Evaluate:
 $5 + 2^4 \times 6$
4. Evaluate:
 $7^2 - 24 \div 3 + 26$
5. If $t = 11$ and $s = 5$, evaluate the following expression: $3t - 5s$
A. 8 B. 4 C. -11 D. 23
6. Evaluate this expression if $x = 7$ and $y = 3$: $7y - 2x$
A. 42 B. 14 C. 7 D. 5
7. What is the value of $8x + 2y$ when $x = 5$ and $y = 9$?
A. 24 B. 58 C. 61 D. 82
8. Simplify the expression below.
 $13y + x - 7y$
9. Simplify: $6b + 4a + 3a - 2b$
A. $4b + 7a$ B. $11ab$
C. $9a - 2b$ D. $10a + b$

10. Simplify: $6(2x + 3y) + 3(x - y)$
A. $9x$ B. $12x - 13y$
C. $15x + 15y$ D. $12x + 15y$
11. Which expression shows $3(x + y)$ in its simplified form?
A. $3xy$ B. $3x + y$
C. $3x + 3y$ D. $3 + x + y$
12. Apply properties of operations to $y + y + y$.
13. Which group of figures should be placed in the to make the model of the commutative property?
 $\text{*****} + \text{**} = \text{[]} + \text{*****}$
A. 
B. 
C. 
D. 
14. Complete the following problems to show the commutative and identity properties of multiplication.
 $5 \times 3 = 3 \times \underline{\hspace{2cm}}$
15. $6 \times 3 = \underline{\hspace{2cm}} \times 6$

16. Jason was given the expression below.

$$5 \times (2 \times 7)$$

Jason then wrote a new expression that was equal to the one he was given. Which expression could Jason have written?

- A. $2 \times (7 \times 5)$ B. $5 + (2 + 7)$
C. $(5 \times 2) + (5 \times 7)$ D. $(5 \times 2) \times (5 \times 7)$
17. Brianna counted the number of paper chains made by each student.

- Serena made 38.
- José made 82.
- Gina made 18.

To find the total number of paper chains made, Brianna added $(38 + 82) + 18$.

Which is another way Brianna can calculate this total?

- A. $38 \times (82 + 18)$ B. $38 + (82 + 18)$
C. $(38 + 18) \times 82$ D. $38 + (38 + 82)$
18. Which is equal to $3x + 5 + x + 10 + 2y$?
- A. $6x + 15$ B. $3x + 2y + 15$
C. $4x + 2y + 15$ D. $9x + 12y$

19. Which of the following is equivalent to the expression below?

$$\frac{12x - 6}{3}$$

- A. $4x - 6$ B. $4x - 2$
C. $9x - 3$ D. $12x - 2$
20. Which equation represents the Zero Property of Multiplication?

- A. $n + 0 = n$ B. $n + 0 = 0$
C. $n \cdot 0 = n$ D. $n \cdot 0 = 0$

21. Which equation demonstrates the Commutative Property of Addition?

- A. $2x + y = y + 2x$ B. $2x + y = 2x + y$
C. $2x + y = 2(x + y)$ D. $2x + y = y + (2 + x)$

22. Which expression uses exactly three terms and is equivalent to $6(2 + x + x + y)$?

- A. $8 + 8x + 7y$ B. $12 + 12x + 6y$
C. $8 + 6x + 6x + 6y$ D. $12 + 6x + 6x + 6y$