

Day 6_ Review Order of Operations

Name: _____

Date: _____

1. Evaluate:

$$6^3 + 7 \times 4$$

- A. 100 B. 244 C. 757 D. 892

2. Expressions A , B , and C are shown below.

A	B	C
$20^2 - 18^2$	$8(4^2) + 2^4$	$15^2 - 3^4$

Which expression or expressions have the same value as 12^2 ?

3. What is the value of the expression below?

$$2[3(4^2 + 1)] - 2^3$$

- A. 156 B. 110 C. 94 D. 48

4. What is the value of the expression below?

$$3^4 + 9$$

- A. 21 B. 39 C. 43 D. 90

5. Which operation should be performed first in the expression

$$18 - 2 + 5 \times (16 + 66 \div 2)?$$

- A. $2 + 5$ B. 5×16
C. $16 + 66$ D. $66 \div 2$

6. Juan wants to solve the problem shown below.

$$27 - 21 \div 3$$

Which step should Juan do first?

- A. $21 \div 3$ B. $27 \div 3$
C. $27 - 3$ D. $27 - 21$

7. Mary correctly used the order of operations to answer the following problem:

$$20 - 8 \cdot 4 \div 2 + 6$$

What is Mary's answer?

- A. 0 B. 6 C. 10 D. 30

8. Mr. Wade wrote an expression on the board.

$$37 - 3 \times 8 + 5 =$$

Which operation should be completed first to find the value of the expression?

- A. $37 - 3$ B. 3×8
C. $8 + 5$ D. $37 + 5$

9. Luis wrote this expression.

$$3 + 4 \cdot (5 + 6)$$

Which of the following expressions is equivalent to Luis's expression?

- A. $7 \cdot 5 + 6$ B. $3 + 20 + 6$
C. $7 \cdot 11$ D. $3 + 4 \cdot 11$

10. What is the value of the expression below?

$$(13 + 4) - (7 \times 2)$$

- A. 20 B. 12 C. 10 D. 3

11. $(18 + 3) \div (3 - 2) =$

- A. 5 B. 17 C. 19 D. 21

12. $12 \div (4 + 2) =$

- A. 2 B. 3 C. 5 D. 6

13. What is the value of $6 \times (36 - 20)$?

- A. 16 B. 96 C. 196 D. 216

14. $3 \times (9 + 1) - 6 =$

- A. 12 B. 18 C. 22 D. 24

15. $8 + 8 \div 2 + 2 =$

- A. 4 B. 8 C. 10 D. 14

16. What is the value of this expression?

$$3 \times (4 + 5 \times 3)$$

- A. 27 B. 51 C. 57 D. 81

17. What is the value of this expression?

$$(150 \div 3) + (6 \times 2) = \underline{\hspace{2cm}}$$

- A. 58 B. 62 C. 100 D. 112

18. Brett correctly found the value of the expression shown below.

$$5 + 4 \times (3 - 1) + 1$$

Which number represents the value Brett found for the expression?

- A. 14 B. 17 C. 19 D. 27

19. What is the value of this expression?

$$2 + 3 \times 6 - 7$$

- A. 5 B. 13 C. 23 D. 37

20. What is the value of the expression shown below?

$$2 + 4 \times (3 + 7)$$

- A. 21 B. 25 C. 42 D. 60

21. Solve.

$$\frac{3 \times (1 + 5)}{2}$$

- A. 4 B. $7\frac{1}{2}$ C. 9

22. Use the expression below to answer the following question.

$$9 + (12 - 7) \div 2 \cdot 4$$

What is the value of the expression above?

- A. 2 B. 7 C. 19 D. 28

23. What is the value of the expression

$$4 \times 6 + 10 \div 2?$$

- A. 17 B. 29 C. 32 D. 44

24. Look at the expression below.

$$12 + 4 \times (12 - 9)$$

What is the value of the expression?

- A. 24 B. 48 C. 51 D. 55

25. Look at the expression below.

$$12 + 4 \times (12 - 9)$$

What is the value of the expression?

- A. 24 B. 48 C. 51 D. 55

26. What is the value of the expression $10^3 - 5^3$?

- A. 5 B. 15 C. 125 D. 875

27. Which of the following has a value of 40?

- A. 4^{10} B. 8^5 C. $4^2 \times 5$ D. $2^3 \times 5$

28. Evaluate:

$$5 + 2^4 \times 6$$

29. Evaluate:

$$7^2 - 24 \div 3 + 26$$

30. Simplify the expression below.

$$3^3 - 2^2$$

- A. 1 B. 5 C. 23 D. 25

31. Which of the following is equivalent to $5^2 + 5^2$?

- A. 10^2 B. 5^4 C. 20 D. 2×5^2

32. What is the value of the expression below?

$$\frac{(3^4 - 3^2)}{9}$$

- A. 8 B. 1 C. $\frac{2}{3}$ D. $\frac{1}{3}$

33. What is the value of the expression below?

$$5^2 + 3^3$$

- A. 52 B. 47 C. 34 D. 19

34. What is the value of the expression below?

$$(8 - 4)^2 + 8 \div 4$$

35. What is the value of the expression below?

$$3(4^2 - 2)$$

- A. 18 B. 22 C. 42 D. 46

36. What is the value of the expression below?

$$10 + 4^2 \div 2$$

- A. 9 B. 13 C. 14 D. 18