

Order of Operations (Review)

Name: _____

Date: _____

1. In which order should the operations +, −, and \div be inserted into the blanks of $78 \underline{\quad} 24 \underline{\quad} 2 \underline{\quad} 6 = 72$ to make the statement true?

2. Simplify $8 - 4 \cdot 2 + 5$ using the correct order of operations.

3. Simplify $12 - 6 \div 3 + 2$ using the correct order of operations.

4. $2 \times 15 - 8 \div 4 = \underline{\quad}$

5. Simplify: $\frac{5 + 5 \cdot 5}{5}$

6. Simplify the expression. Use the order of operations to justify your work.

$$3 \times 4 + 5 - 2 \times 7$$

7. Simplify the expression. Use the order of operations to justify your work.

$$5 + 12 \times 3 - 2$$

8. What is the simplified form of the expression below?

$$4 \times 5 + 2 \div 2$$

9. Use the expression below to answer the question.

$$3 \times [(2 \times 6 - 5) + (8 \div 4)] - 1$$

What is the value of the expression?

10. What is the value of the expression below?

$$\frac{15(4 + 8)}{2(2 + 1) - 1}$$

11. What is the value of the expression below?

$$\frac{8 + 6 \cdot 4}{48 \div 6 - 4}$$

12. What is the value of the expression below?

$$18 \div 3 + 6 \cdot 4 - 3$$

13. Evaluate:

$$4(12 - 3 \times 2 + 8 \div 2)$$

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

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

What is the value of the expression above?

15. Solve.

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

16. What is the value of the expression below?

$$15 - 6 \div 3 \cdot 2 + 7 - 1$$

17. What is the value of the expression $4 \times 6 + 10 \div 2$?

18. Compute the following,

$$24 \div 3 + 6 \times 4 - 2$$

19. Look at the expression below.

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

What is the value of the expression?

20. Simplify the following expression:

$$9 + 7 \times 4 - 6 \div 3 - (12 - 5)$$