

Order of Operations

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1. Parentheses
2. Exponentials
3. Multiply/Divide }
4. Add/Subtract }

Whichever comes first!

Example: $2 + 20 \div 5 \times 2 + 1$

$$\begin{array}{r} 2 + \quad 4 \quad \times 2 + 1 \\ 2 + \quad \quad 8 \quad + 1 = 11 \end{array}$$

1) $8 \div 2(2 + 2)$

9) $8 + 2 \times 10 \div 4 + 2^3$

2) $6 + 5 \times 2$

10) $12 - 4 \times 3 \div 2 \times 6 + 1$

3) $7 + 6 \div 3 \times 2$

11) $(2 + 1)^3 + 4^2 \div 2 \times 8 + 1$

4) $10 \div 2 + 8 \div (4 \times 2)$

12) $8 \div (3 + 1)^2 \div 2 \times 2 + 7$

5) $32 + 5 - 4 \times (6 \div 3)$

13) $10 + (2^2 + 6) \times 5 - 8 \div 2$

6) $4 + 8 \div (3^2 - 1)$

14) $5 + 2 \times 9 \div 3 \times 3$

7) $2(3 + 5) \div 10 \times 3 + 1$

15) $(7 + 1) \div 2 \times 4 + 1$

8) $[4(6 + 4) + 3(4)] \div (4 + 3) + 2$

16) $(7 + 1) \div (2 \times 4) + 1$