

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $((11 + 7) - (18 \div 3)^2) + 7^2$

6) $(5^2 + (15 \div 3 + 2^2)) - 3^2$

2) $((11 - 4)^2 \times 6) + 10 - 3^2$

7) $15 + (7 + (10 - 4)^2) + 6$

3) $((11 - 6)^2 + 5) + 9 + 3^2$

8) $((14 - 2) + (8 \div 2)^2) + 2^2$

4) $(6^2 + (24 \div 12 + 2^2)) - 4^2$

9) $(12 \div 2)^2 + ((15 + 2) \times 4^2)$

5) $18 + (2 + (11 - 4)^2) + 9$

10) $(10 \div 5)^2 + ((9 + 2) + 3^2)$



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Order of Operations

$$\begin{aligned}
 1) & ((11 + 7) - (18 \div 3)^2) + 7^2 \\
 & (18 - (6)^2) + 7^2 \\
 & (18 - 36) + 7^2 \\
 & -18 + 7^2 \\
 & -18 + 49 \\
 & 31
 \end{aligned}$$

$$\begin{aligned}
 6) & (5^2 + (15 \div 3 + 2^2)) - 3^2 \\
 & (5^2 + (15 \div 3 + 4)) - 3^2 \\
 & (5^2 + (5 + 4)) - 3^2 \\
 & (25 + 9) - 9 \\
 & 34 - 9 \\
 & 25
 \end{aligned}$$

$$\begin{aligned}
 2) & ((11 - 4)^2 \times 6) + 10 - 3^2 \\
 & (7^2 \times 6) + 10 - 9 \\
 & (49 \times 6) + 10 - 9 \\
 & 294 + 10 - 9 \\
 & 295
 \end{aligned}$$

$$\begin{aligned}
 7) & 15 + (7 + (10 - 4)^2) + 6 \\
 & 15 + (7 + 6^2) + 6 \\
 & 15 + (7 + 36) + 6 \\
 & 15 + 43 + 6 \\
 & 64
 \end{aligned}$$

$$\begin{aligned}
 3) & ((11 - 6)^2 + 5) + 9 + 3^2 \\
 & (5^2 + 5) + 9 + 9 \\
 & (25 + 5) + 9 + 9 \\
 & 30 + 9 + 9 \\
 & 48
 \end{aligned}$$

$$\begin{aligned}
 8) & ((14 - 2) + (8 \div 2)^2) + 2^2 \\
 & (12 + (4)^2) + 2^2 \\
 & (12 + 16) + 2^2 \\
 & 28 + 2^2 \\
 & 28 + 4 \\
 & 32
 \end{aligned}$$

$$\begin{aligned}
 4) & (6^2 + (24 \div 12 + 2^2)) - 4^2 \\
 & (6^2 + (24 \div 12 + 4)) - 4^2 \\
 & (6^2 + (2 + 4)) - 4^2 \\
 & (36 + 6) - 16 \\
 & 42 - 16 \\
 & 26
 \end{aligned}$$

$$\begin{aligned}
 9) & (12 \div 2)^2 + ((15 + 2) \times 4^2) \\
 & (6)^2 + (17 \times 4^2) \\
 & 36 + (17 \times 16) \\
 & 36 + 272 \\
 & 308
 \end{aligned}$$

$$\begin{aligned}
 5) & 18 + (2 + (11 - 4)^2) + 9 \\
 & 18 + (2 + 7^2) + 9 \\
 & 18 + (2 + 49) + 9 \\
 & 18 + 51 + 9 \\
 & 78
 \end{aligned}$$

$$\begin{aligned}
 10) & (10 \div 5)^2 + ((9 + 2) + 3^2) \\
 & (2)^2 + (11 + 3^2) \\
 & 4 + (11 + 9) \\
 & 4 + 20 \\
 & 24
 \end{aligned}$$

