

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $5 + (4 + (10 - 4)^2)$

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

2) $16 + ((18 - 2) \times 5^2)$

7) $((9 - 4)^2 \times 7) - 4^2$

3) $(7^2 + (20 - 5 + 5^2))$

8) $6 + (9 \times (6 + 6)^2)$

4) $(3^2 + (15 - 5 + 4^2))$

9) $((15 - 6) + (16 - 4)^2)$

5) $((16 - 2) + (8 - 2)^2)$

10) $((9 - 4)^2 \times 7) + 6^2$



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Order of Operations

$$\begin{aligned}
 1) \quad & 5 + (4 + (10 - 4)^2) \\
 & 5 + (4 + 6^2) \\
 & 5 + (4 + 36) \\
 & 5 + 40 \\
 & \quad 45
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & 10 + ((11 + 3) \times 2^2) \\
 & 10 + (14 \times 2^2) \\
 & 10 + (14 \times 4) \\
 & 10 + 56 \\
 & \quad 66
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & 16 + ((18 - 2) \times 5^2) \\
 & 16 + (16 \times 5^2) \\
 & 16 + (16 \times 25) \\
 & 16 + 400 \\
 & \quad 416
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & ((9 - 4)^2 \times 7) - 4^2 \\
 & (5^2 \times 7) - 4^2 \\
 & (25 \times 7) - 4^2 \\
 & \quad 175 - 4^2 \\
 & \quad 175 - 16 \\
 & \quad \quad 159
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & (7^2 + (20 - 5 + 5^2)) \\
 & (7^2 + (20 - 5 + 25)) \\
 & (7^2 + (15 + 25)) \\
 & (7^2 + 40) \\
 & (49 + 40) \\
 & \quad 89
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & 6 + (9 \times (6 + 6)^2) \\
 & 6 + (9 \times 12^2) \\
 & 6 + (9 \times 144) \\
 & 6 + 1302
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & (3^2 + (15 - 5 + 4^2)) \\
 & (3^2 + (15 - 5 + 16)) \\
 & (3^2 + (10 + 16)) \\
 & (3^2 + 26) \\
 & (9 + 26) \\
 & \quad 35
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & ((15 - 6) + (16 - 4)^2) \\
 & (9 + (12)^2) \\
 & (9 + 144) \\
 & \quad 153
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & ((16 - 2) + (8 - 2)^2) \\
 & (14 + (6)^2) \\
 & (14 + 36) \\
 & \quad 50
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & ((9 - 4)^2 \times 7) + 6^2 \\
 & (5^2 \times 7) + 6^2 \\
 & (25 \times 7) + 6^2 \\
 & \quad 175 + 6^2 \\
 & \quad 175 + 36
 \end{aligned}$$

