

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $4 + (3 + (6 + 2)^2) - 5$

6) $(7^2 + (24 - 8 + 4^2)) - 3^2$

2) $((10 - 6) + (20 - 10)^2) \times 6^2$

7) $19 + (10 \times (3 + 2)^2) - 9$

3) $((5 + 2)^2 \times 5) - 10 + 3^2$

8) $(24 - 3)^2 + ((11 + 2) \times 4^2)$

4) $(3^2 + (8 - 4 + 5^2)) - 5^2$

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

5) $(18 - 3)^2 + ((18 + 4) \times 3^2)$

10) $((3 + 3)^2 \times 5) + 7 - 2^2$



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Order of Operations

$$\begin{aligned}
 1) \quad & 4 + (3 + (6 + 2)^2) - 5 \\
 & 4 + (3 + 8^2) - 5 \\
 & 4 + (3 + 64) - 5 \\
 & 4 + 67 - 5 \\
 & \qquad \qquad \qquad 66
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & (7^2 + (24 - 8 + 4^2)) - 3^2 \\
 & (7^2 + (24 - 8 + 16)) - 3^2 \\
 & (7^2 + (16 + 16)) - 3^2 \\
 & (49 + 32) - 9 \\
 & \qquad \qquad 81 - 9 \\
 & \qquad \qquad \qquad 72
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & ((10 - 6) + (20 - 10)^2) \times 6^2 \\
 & (4 + (10)^2) \times 6^2 \\
 & (4 + 100) \times 6^2 \\
 & \qquad 104 \times 6^2 \\
 & \qquad 104 \times 36 \\
 & \qquad \qquad 3744
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & 19 + (10 \times (3 + 2)^2) - 9 \\
 & 19 + (10 \times 5^2) - 9 \\
 & 19 + (10 \times 25) - 9 \\
 & 19 + 250 - 9 \\
 & \qquad \qquad \qquad 260
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & ((5 + 2)^2 \times 5) - 10 + 3^2 \\
 & (7^2 \times 5) - 10 + 9 \\
 & (49 \times 5) - 10 + 9 \\
 & \qquad 245 - 10 + 9 \\
 & \qquad \qquad 244
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & (24 - 3)^2 + ((11 + 2) \times 4^2) \\
 & (21)^2 + (13 \times 4^2) \\
 & 441 + (13 \times 16) \\
 & 441 + 208 \\
 & \qquad \qquad 649
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & (3^2 + (8 - 4 + 5^2)) - 5^2 \\
 & (3^2 + (8 - 4 + 25)) - 5^2 \\
 & (3^2 + (4 + 25)) - 5^2 \\
 & (9 + 29) - 25 \\
 & \qquad 38 - 25 \\
 & \qquad \qquad 13
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & ((18 + 5) + (18 - 9)^2) + 5^2 \\
 & (23 + (9)^2) + 5^2 \\
 & (23 + 81) + 5^2 \\
 & \qquad 104 + 5^2 \\
 & \qquad 104 + 25 \\
 & \qquad \qquad 129
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & (18 - 3)^2 + ((18 + 4) \times 3^2) \\
 & (15)^2 + (22 \times 3^2) \\
 & 225 + (22 \times 9) \\
 & 225 + 198 \\
 & \qquad \qquad 423
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & ((3 + 3)^2 \times 5) + 7 - 2^2 \\
 & (6^2 \times 5) + 7 - 4 \\
 & (36 \times 5) + 7 - 4 \\
 & \qquad 180 + 7 - 4 \\
 & \qquad \qquad 183
 \end{aligned}$$

