

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

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

6) $((9 - 2)^2 + 3) - 11 + 4^2$

2) $(3^2 + (14 \div 7 + 3^2)) + 2^2$

7) $14 + (10 \times (3 + 5)^2) + 7$

3) $((17 - 6) + (15 \div 5)^2) + 3^2$

8) $((9 - 4)^2 \times 3) + 12 + 3^2$

4) $((13 + 7) + (20 \div 2)^2) + 5^2$

9) $(18 \div 9)^2 + ((13 - 6) \times 3^2)$

5) $(7^2 + (14 \div 7 + 5^2)) + 3^2$

10) $(18 \div 6)^2 + ((11 - 7) + 5^2)$



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Order of Operations

$$\begin{aligned}
 1) \quad & 3 + (6 \times (6 + 4)^2) - 5 \\
 & 3 + (6 \times 10^2) - 5 \\
 & 3 + (6 \times 100) - 5 \\
 & 3 + 600 - 5 \\
 & \qquad \qquad \qquad 598
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & ((9 - 2)^2 + 3) - 11 + 4^2 \\
 & (7^2 + 3) - 11 + 16 \\
 & (49 + 3) - 11 + 16 \\
 & \qquad \qquad 52 - 11 + 16 \\
 & \qquad \qquad \qquad \qquad \qquad 57
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & (3^2 + (14 \div 7 + 3^2)) + 2^2 \\
 & (3^2 + (14 \div 7 + 9)) + 2^2 \\
 & (3^2 + (2 + 9)) + 2^2 \\
 & (9 + 11) + 4 \\
 & \qquad 20 + 4 \\
 & \qquad \qquad \qquad 24
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & 14 + (10 \times (3 + 5)^2) + 7 \\
 & 14 + (10 \times 8^2) + 7 \\
 & 14 + (10 \times 64) + 7 \\
 & 14 + 640 + 7 \\
 & \qquad \qquad \qquad \qquad \qquad 661
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & ((17 - 6) + (15 \div 5)^2) + 3^2 \\
 & (11 + (3)^2) + 3^2 \\
 & (11 + 9) + 3^2 \\
 & \qquad 20 + 3^2 \\
 & \qquad 20 + 9 \\
 & \qquad \qquad \qquad 29
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & ((9 - 4)^2 \times 3) + 12 + 3^2 \\
 & (5^2 \times 3) + 12 + 9 \\
 & (25 \times 3) + 12 + 9 \\
 & \qquad 75 + 12 + 9 \\
 & \qquad \qquad \qquad \qquad \qquad 96
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & ((13 + 7) + (20 \div 2)^2) + 5^2 \\
 & (20 + (10)^2) + 5^2 \\
 & (20 + 100) + 5^2 \\
 & \qquad 120 + 5^2 \\
 & \qquad 120 + 25 \\
 & \qquad \qquad \qquad 145
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & (18 \div 9)^2 + ((13 - 6) \times 3^2) \\
 & (2)^2 + (7 \times 3^2) \\
 & 4 + (7 \times 9) \\
 & 4 + 63 \\
 & \qquad \qquad \qquad \qquad \qquad 67
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & (7^2 + (14 \div 7 + 5^2)) + 3^2 \\
 & (7^2 + (14 \div 7 + 25)) + 3^2 \\
 & (7^2 + (2 + 25)) + 3^2 \\
 & (49 + 27) + 9 \\
 & \qquad 76 + 9 \\
 & \qquad \qquad \qquad 85
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & (18 \div 6)^2 + ((11 - 7) + 5^2) \\
 & (3)^2 + (4 + 5^2) \\
 & 9 + (4 + 25) \\
 & 9 + 29 \\
 & \qquad \qquad \qquad \qquad \qquad 38
 \end{aligned}$$

