

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Order of Operations

1 )  $((9 + 6) - (15 \div 5)^2) + 6^2$

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

2 )  $((9 - 7) + (10 \div 2)^2) \times 5^2$

7 )  $(5^2 + (12 \div 2 + 5^2)) - 3^2$

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

8 )  $3 + (2 + (11 - 5)^2) + 7$

4 )  $(7^2 + (8 \div 2 + 4^2)) - 2^2$

9 )  $(20 \div 2)^2 + ((13 + 6) + 2^2)$

5 )  $6 + (7 + (9 - 5)^2) + 5$

10 )  $((4 + 2)^2 + 6) - 12 - 3^2$



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## Order of Operations

$$\begin{aligned}
 1) & ((9 + 6) - (15 \div 5)^2) + 6^2 \\
 & (15 - (3)^2) + 6^2 \\
 & (15 - 9) + 6^2 \\
 & \quad 6 + 6^2 \\
 & \quad 6 + 36 \\
 & \quad \quad 42
 \end{aligned}$$

$$\begin{aligned}
 6) & (15 \div 5)^2 + ((15 + 6) \times 3^2) \\
 & (3)^2 + (21 \times 3^2) \\
 & 9 + (21 \times 9) \\
 & 9 + 189 \\
 & \quad \quad 198
 \end{aligned}$$

$$\begin{aligned}
 2) & ((9 - 7) + (10 \div 2)^2) \times 5^2 \\
 & (2 + (5)^2) \times 5^2 \\
 & (2 + 25) \times 5^2 \\
 & \quad 27 \times 5^2 \\
 & \quad 27 \times 25 \\
 & \quad \quad 675
 \end{aligned}$$

$$\begin{aligned}
 7) & (5^2 + (12 \div 2 + 5^2)) - 3^2 \\
 & (5^2 + (12 \div 2 + 25)) - 3^2 \\
 & (5^2 + (6 + 25)) - 3^2 \\
 & (25 + 31) - 9 \\
 & \quad 56 - 9 \\
 & \quad \quad 47
 \end{aligned}$$

$$\begin{aligned}
 3) & ((11 - 2)^2 + 6) + 11 - 2^2 \\
 & (9^2 + 6) + 11 - 4 \\
 & (81 + 6) + 11 - 4 \\
 & \quad 87 + 11 - 4 \\
 & \quad \quad 94
 \end{aligned}$$

$$\begin{aligned}
 8) & 3 + (2 + (11 - 5)^2) + 7 \\
 & 3 + (2 + 6^2) + 7 \\
 & 3 + (2 + 36) + 7 \\
 & 3 + 38 + 7 \\
 & \quad \quad 48
 \end{aligned}$$

$$\begin{aligned}
 4) & (7^2 + (8 \div 2 + 4^2)) - 2^2 \\
 & (7^2 + (8 \div 2 + 16)) - 2^2 \\
 & (7^2 + (4 + 16)) - 2^2 \\
 & (49 + 20) - 4 \\
 & \quad 69 - 4 \\
 & \quad \quad 65
 \end{aligned}$$

$$\begin{aligned}
 9) & (20 \div 2)^2 + ((13 + 6) + 2^2) \\
 & (10)^2 + (19 + 2^2) \\
 & 100 + (19 + 4) \\
 & \quad + 23 \\
 & \quad \quad 123
 \end{aligned}$$

$$\begin{aligned}
 5) & 6 + (7 + (9 - 5)^2) + 5 \\
 & 6 + (7 + 4^2) + 5 \\
 & 6 + (7 + 16) + 5 \\
 & 6 + 23 + 5 \\
 & \quad \quad 34
 \end{aligned}$$

$$\begin{aligned}
 10) & ((4 + 2)^2 + 6) - 12 - 3^2 \\
 & (6^2 + 6) - 12 - 9 \\
 & (36 + 6) - 12 - 9 \\
 & \quad 42 - 12 - 9 \\
 & \quad \quad 21
 \end{aligned}$$

