

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $(10 \div 2)^2 + ((10 + 2) + 6^2)$

6) $(7^2 + (8 \div 4 + 2^2)) - 5^2$

2) $14 + (6 + (5 + 4)^2) - 4$

7) $((16 - 5) - (24 \div 4)^2) \times 5^2$

3) $(4^2 + (8 \div 4 + 4^2)) + 4^2$

8) $((15 + 2) - (14 \div 2)^2) + 2^2$

4) $13 + (7 \times (6 + 6)^2) - 2$

9) $(20 \div 2)^2 + ((9 - 4) + 3^2)$

5) $((6 + 4)^2 + 7) - 4 + 2^2$

10) $((10 - 4)^2 + 5) - 2 + 7^2$



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Order of Operations

$$\begin{aligned}
 1) & (10 \div 2)^2 + ((10 + 2) + 6^2) \\
 & (5)^2 + (12 + 6^2) \\
 & 25 + (12 + 36) \\
 & 25 + 48 \\
 & 73
 \end{aligned}$$

$$\begin{aligned}
 2) & 14 + (6 + (5 + 4)^2) - 4 \\
 & 14 + (6 + 9^2) - 4 \\
 & 14 + (6 + 81) - 4 \\
 & 14 + 87 - 4 \\
 & 97
 \end{aligned}$$

$$\begin{aligned}
 3) & (4^2 + (8 \div 4 + 4^2)) + 4^2 \\
 & (4^2 + (8 \div 4 + 16)) + 4^2 \\
 & (4^2 + (2 + 16)) + 4^2 \\
 & (16 + 18) + 16 \\
 & 34 + 16 \\
 & 50
 \end{aligned}$$

$$\begin{aligned}
 4) & 13 + (7 \times (6 + 6)^2) - 2 \\
 & 13 + (7 \times 12^2) - 2 \\
 & 13 + (7 \times 144) - 2 \\
 & 13 + 1008 - 2 \\
 & 1019
 \end{aligned}$$

$$\begin{aligned}
 5) & ((6 + 4)^2 + 7) - 4 + 2^2 \\
 & (10^2 + 7) - 4 + 4 \\
 & (100 + 7) - 4 + 4 \\
 & 107 - 4 + 4 \\
 & 107
 \end{aligned}$$

$$\begin{aligned}
 6) & (7^2 + (8 \div 4 + 2^2)) - 5^2 \\
 & (7^2 + (8 \div 4 + 4)) - 5^2 \\
 & (7^2 + (2 + 4)) - 5^2 \\
 & (49 + 6) - 25 \\
 & 55 - 25 \\
 & 30
 \end{aligned}$$

$$\begin{aligned}
 7) & ((16 - 5) - (24 \div 4)^2) \times 5^2 \\
 & (11 - (6)^2) \times 5^2 \\
 & (11 - 36) \times 5^2 \\
 & -25 \times 5^2 \\
 & -25 \times 25 \\
 & -625
 \end{aligned}$$

$$\begin{aligned}
 8) & ((15 + 2) - (14 \div 2)^2) + 2^2 \\
 & (17 - (7)^2) + 2^2 \\
 & (17 - 49) + 2^2 \\
 & -32 + 2^2 \\
 & -32 + 4 \\
 & -28
 \end{aligned}$$

$$\begin{aligned}
 9) & (20 \div 2)^2 + ((9 - 4) + 3^2) \\
 & (10)^2 + (5 + 3^2) \\
 & 100 + (5 + 9) \\
 & 100 + 14 \\
 & 114
 \end{aligned}$$

$$\begin{aligned}
 10) & ((10 - 4)^2 + 5) - 2 + 7^2 \\
 & (6^2 + 5) - 2 + 49 \\
 & (36 + 5) - 2 + 49 \\
 & 41 - 2 + 49 \\
 & 88
 \end{aligned}$$

