

Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $((13 - 5) - (14 \div 2)^2) \times 2^2$

6) $13 + (8 + (9 - 3)^2) + 9$

2) $(20 \div 10)^2 + ((15 - 2) + 2^2)$

7) $4 + (9 + (3 + 3)^2) - 2$

3) $(8 \div 2)^2 + ((17 - 4) + 4^2)$

8) $(7^2 + (12 \div 6 + 2^2)) + 4^2$

4) $((5 + 4)^2 \times 6) - 11 + 5^2$

9) $((17 + 7) - (10 \div 5)^2) + 2^2$

5) $(6^2 + (18 \div 9 + 2^2)) - 5^2$

10) $((4 + 3)^2 \times 3) + 4 + 2^2$



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Order of Operations

$$\begin{aligned}
 1) & ((13 - 5) - (14 \div 2)^2) \times 2^2 \\
 & (8 - (7)^2) \times 2^2 \\
 & (8 - 49) \times 2^2 \\
 & -41 \times 2^2 \\
 & -41 \times 4 \\
 & -164
 \end{aligned}$$

$$\begin{aligned}
 6) & 13 + (8 + (9 - 3)^2) + 9 \\
 & 13 + (8 + 6^2) + 9 \\
 & 13 + (8 + 36) + 9 \\
 & 13 + 44 + 9 \\
 & 66
 \end{aligned}$$

$$\begin{aligned}
 2) & (20 \div 10)^2 + ((15 - 2) + 2^2) \\
 & (2)^2 + (13 + 2^2) \\
 & 4 + (13 + 4) \\
 & 4 + 17 \\
 & 21
 \end{aligned}$$

$$\begin{aligned}
 7) & 4 + (9 + (3 + 3)^2) - 2 \\
 & 4 + (9 + 6^2) - 2 \\
 & 4 + (9 + 36) - 2 \\
 & 4 + 45 - 2 \\
 & 47
 \end{aligned}$$

$$\begin{aligned}
 3) & (8 \div 2)^2 + ((17 - 4) + 4^2) \\
 & (4)^2 + (13 + 4^2) \\
 & 16 + (13 + 16) \\
 & 16 + 29 \\
 & 45
 \end{aligned}$$

$$\begin{aligned}
 8) & (7^2 + (12 \div 6 + 2^2)) + 4^2 \\
 & (7^2 + (12 \div 6 + 4)) + 4^2 \\
 & (7^2 + (2 + 4)) + 4^2 \\
 & (49 + 6) + 16 \\
 & 55 + 16 \\
 & 71
 \end{aligned}$$

$$\begin{aligned}
 4) & ((5 + 4)^2 \times 6) - 11 + 5^2 \\
 & (9^2 \times 6) - 11 + 25 \\
 & (81 \times 6) - 11 + 25 \\
 & 486 - 11 + 25 \\
 & 500
 \end{aligned}$$

$$\begin{aligned}
 9) & ((17 + 7) - (10 \div 5)^2) + 2^2 \\
 & (24 - (2)^2) + 2^2 \\
 & (24 - 4) + 2^2 \\
 & 20 + 2^2 \\
 & 20 + 4 \\
 & 24
 \end{aligned}$$

$$\begin{aligned}
 5) & (6^2 + (18 \div 9 + 2^2)) - 5^2 \\
 & (6^2 + (18 \div 9 + 4)) - 5^2 \\
 & (6^2 + (2 + 4)) - 5^2 \\
 & (36 + 6) - 25 \\
 & 42 - 25 \\
 & 17
 \end{aligned}$$

$$\begin{aligned}
 10) & ((4 + 3)^2 \times 3) + 4 + 2^2 \\
 & (7^2 \times 3) + 4 + 4 \\
 & (49 \times 3) + 4 + 4 \\
 & 147 + 4 + 4 \\
 & 155
 \end{aligned}$$

