

Order of Operations (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$((4 + 5) \times 10) \div 6 - 2 + 7 - 9$$

$$(7 - 2) \times (4 + 8) \div 6 + 10 - 5$$

$$((8 - 3 + 4) \div 9) \times 7 - 6 + 2$$

$$(10 \times 7) \div (8 - 3 + 2) \times (6 + 4)$$

$$10 - 9 + 6 \div ((3 \times 7) \div (5 + 2))$$

$$(6 \div (4 - 3)) \times (10 + 2 + 7 - 8)$$

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$$\begin{aligned} & ((4 + 5) \times 10) \div 6 - 2 + 7 - 9 \\ &= (9 \times 10) \div 6 - 2 + 7 - 9 \\ &= 90 \div 6 - 2 + 7 - 9 \\ &= 15 - 2 + 7 - 9 \\ &= 13 + 7 - 9 \\ &= 20 - 9 \\ &= 11 \end{aligned}$$

$$\begin{aligned} & (7 - 2) \times (4 + 8) \div 6 + 10 - 5 \\ &= 5 \times (4 + 8) \div 6 + 10 - 5 \\ &= 5 \times 12 \div 6 + 10 - 5 \\ &= 60 \div 6 + 10 - 5 \\ &= 10 + 10 - 5 \\ &= 20 - 5 \\ &= 15 \end{aligned}$$

$$\begin{aligned} & ((8 - 3 + 4) \div 9) \times 7 - 6 + 2 \\ &= ((5 + 4) \div 9) \times 7 - 6 + 2 \\ &= (9 \div 9) \times 7 - 6 + 2 \\ &= 1 \times 7 - 6 + 2 \\ &= 7 - 6 + 2 \\ &= 1 + 2 \\ &= 3 \end{aligned}$$

$$\begin{aligned} & (10 \times 7) \div (8 - 3 + 2) \times (6 + 4) \\ &= 70 \div (8 - 3 + 2) \times (6 + 4) \\ &= 70 \div (5 + 2) \times (6 + 4) \\ &= 70 \div 7 \times (6 + 4) \\ &= 70 \div 7 \times 10 \\ &= 10 \times 10 \\ &= 100 \end{aligned}$$

$$\begin{aligned} & 10 - 9 + 6 \div ((3 \times 7) \div (5 + 2)) \\ &= 10 - 9 + 6 \div (21 \div (5 + 2)) \\ &= 10 - 9 + 6 \div (21 \div 7) \\ &= 10 - 9 + 6 \div 3 \\ &= 10 - 9 + 2 \\ &= 1 + 2 \\ &= 3 \end{aligned}$$

$$\begin{aligned} & (6 \div (4 - 3)) \times (10 + 2 + 7 - 8) \\ &= (6 \div 1) \times (10 + 2 + 7 - 8) \\ &= 6 \times (10 + 2 + 7 - 8) \\ &= 6 \times (12 + 7 - 8) \\ &= 6 \times (19 - 8) \\ &= 6 \times 11 \\ &= 66 \end{aligned}$$