

Order of Operations (J)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(10 \div 5) \times (7 + 9 - 3 + 8 - 2)$$

$$(8 \times 6) \div (7 + 4 - 10) \div (9 - 5)$$

$$7 \div (5 + 10 - 8) \times (6 \times (9 - 3))$$

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

$$((10 + 2) \div 4) \times 6 - 5 - 7 + 3$$

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

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$$\begin{aligned} & (10 \div 5) \times (7 + 9 - 3 + 8 - 2) \\ &= 2 \times (7 + 9 - 3 + 8 - 2) \\ &= 2 \times (16 - 3 + 8 - 2) \\ &= 2 \times (13 + 8 - 2) \\ &= 2 \times (21 - 2) \\ &= 2 \times 19 \\ &= 38 \end{aligned}$$

$$\begin{aligned} & (8 \times 6) \div (7 + 4 - 10) \div (9 - 5) \\ &= 48 \div (7 + 4 - 10) \div (9 - 5) \\ &= 48 \div (11 - 10) \div (9 - 5) \\ &= 48 \div 1 \div (9 - 5) \\ &= 48 \div 1 \div 4 \\ &= 48 \div 4 \\ &= 12 \end{aligned}$$

$$\begin{aligned} & 7 \div (5 + 10 - 8) \times (6 \times (9 - 3)) \\ &= 7 \div (15 - 8) \times (6 \times (9 - 3)) \\ &= 7 \div 7 \times (6 \times (9 - 3)) \\ &= 7 \div 7 \times (6 \times 6) \\ &= 7 \div 7 \times 36 \\ &= 1 \times 36 \\ &= 36 \end{aligned}$$

$$\begin{aligned} & 8 \times ((6 - 2) + 10) \div (4 + 5 - 7) \\ &= 8 \times ((4 + 10) \div (4 + 5 - 7)) \\ &= 8 \times (14 \div (4 + 5 - 7)) \\ &= 8 \times (14 \div (9 - 7)) \\ &= 8 \times (14 \div 2) \\ &= 8 \times 7 \\ &= 56 \end{aligned}$$

$$\begin{aligned} & ((10 + 2) \div 4) \times 6 - 5 - 7 + 3 \\ &= (12 \div 4) \times 6 - 5 - 7 + 3 \\ &= 3 \times 6 - 5 - 7 + 3 \\ &= 18 - 5 - 7 + 3 \\ &= 13 - 7 + 3 \\ &= 6 + 3 \\ &= 9 \end{aligned}$$

$$\begin{aligned} & ((6 + 10) \div 2) \times 3 - 7 + 8 \div 4 \\ &= (16 \div 2) \times 3 - 7 + 8 \div 4 \\ &= 8 \times 3 - 7 + 8 \div 4 \\ &= 24 - 7 + 8 \div 4 \\ &= 24 - 7 + 2 \\ &= 17 + 2 \\ &= 19 \end{aligned}$$