

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(6 \times 7) \div (9 - 3 + 5 - 4)$$

$$((8 - 2) \div 3 \times 5 + 6) \div 4$$

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

$$6 \times ((4 + 9 - 5) \div 2 - 3)$$

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

$$10 \times (8 + 2) \div 5 - 9 + 6$$

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

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

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$$\begin{aligned} & (6 \times 7) \div (9 - 3 + 5 - 4) \\ & = 42 \div (9 - 3 + 5 - 4) \\ & = 42 \div (6 + 5 - 4) \\ & = 42 \div (11 - 4) \\ & = 42 \div 7 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & ((8 - 2) \div 3 \times 5 + 6) \div 4 \\ & = (6 \div 3 \times 5 + 6) \div 4 \\ & = (2 \times 5 + 6) \div 4 \\ & = (10 + 6) \div 4 \\ & = 16 \div 4 \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 6 \times (8 + 2 - 4) \div (7 - 3) \\ & = 6 \times (10 - 4) \div (7 - 3) \\ & = 6 \times 6 \div (7 - 3) \\ & = 6 \times 6 \div 4 \\ & = 36 \div 4 \\ & = 9 \end{aligned}$$

$$\begin{aligned} & 6 \times ((4 + 9 - 5) \div 2 - 3) \\ & = 6 \times ((13 - 5) \div 2 - 3) \\ & = 6 \times (8 \div 2 - 3) \\ & = 6 \times (4 - 3) \\ & = 6 \times 1 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & (7 \times (3 + 9 - 4)) \div 8 \times 6 \\ & = (7 \times (12 - 4)) \div 8 \times 6 \\ & = (7 \times 8) \div 8 \times 6 \\ & = 56 \div 8 \times 6 \\ & = 7 \times 6 \\ & = 42 \end{aligned}$$

$$\begin{aligned} & 10 \times (8 + 2) \div 5 - 9 + 6 \\ & = 10 \times 10 \div 5 - 9 + 6 \\ & = 100 \div 5 - 9 + 6 \\ & = 20 - 9 + 6 \\ & = 11 + 6 \\ & = 17 \end{aligned}$$

$$\begin{aligned} & 4 \times (7 + 3 - 8 \div 2 + 10) \\ & = 4 \times (7 + 3 - 4 + 10) \\ & = 4 \times (10 - 4 + 10) \\ & = 4 \times (6 + 10) \\ & = 4 \times 16 \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (5 + 8 - 7) \div 2 \times 10 - 6 \\ & = (13 - 7) \div 2 \times 10 - 6 \\ & = 6 \div 2 \times 10 - 6 \\ & = 3 \times 10 - 6 \\ & = 30 - 6 \\ & = 24 \end{aligned}$$