

# Order of Operations (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(10 \times 7) \div (9 + 2 - 3 - 4 + 6)$$

$$9 + 10 \times (8 - 6) \div (3 + 7) \times 4$$

$$3 \times (4 + 5 - 9) \div (8 \times (2 + 10))$$

$$((4 + 8) \div (6 - 2)) \times 9 + 7 - 5$$

$$(7 \times 3) \div (10 - 4 + 8 + 9 - 2)$$

$$(2 \times 3) \div (4 + 8 - 9 + 5 - 6)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 \times 7) \div (9 + 2 - 3 - 4 + 6) \\ & = 70 \div (9 + 2 - 3 - 4 + 6) \\ & = 70 \div (11 - 3 - 4 + 6) \\ & = 70 \div (8 - 4 + 6) \\ & = 70 \div (4 + 6) \\ & = 70 \div 10 \\ & = 7 \end{aligned}$$

$$\begin{aligned} & 9 + 10 \times (8 - 6) \div (3 + 7) \times 4 \\ & = 9 + 10 \times 2 \div (3 + 7) \times 4 \\ & = 9 + 10 \times 2 \div 10 \times 4 \\ & = 9 + 20 \div 10 \times 4 \\ & = 9 + 2 \times 4 \\ & = 9 + 8 \\ & = 17 \end{aligned}$$

$$\begin{aligned} & 3 \times (4 + 5 - 9) \div (8 \times (2 + 10)) \\ & = 3 \times (9 - 9) \div (8 \times (2 + 10)) \\ & = 3 \times 0 \div (8 \times (2 + 10)) \\ & = 3 \times 0 \div (8 \times 12) \\ & = 3 \times 0 \div 96 \\ & = 0 \div 96 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & ((4 + 8) \div (6 - 2)) \times 9 + 7 - 5 \\ & = (12 \div (6 - 2)) \times 9 + 7 - 5 \\ & = (12 \div 4) \times 9 + 7 - 5 \\ & = 3 \times 9 + 7 - 5 \\ & = 27 + 7 - 5 \\ & = 34 - 5 \\ & = 29 \end{aligned}$$

$$\begin{aligned} & (7 \times 3) \div (10 - 4 + 8 + 9 - 2) \\ & = 21 \div (10 - 4 + 8 + 9 - 2) \\ & = 21 \div (6 + 8 + 9 - 2) \\ & = 21 \div (14 + 9 - 2) \\ & = 21 \div (23 - 2) \\ & = 21 \div 21 \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (2 \times 3) \div (4 + 8 - 9 + 5 - 6) \\ & = 6 \div (4 + 8 - 9 + 5 - 6) \\ & = 6 \div (12 - 9 + 5 - 6) \\ & = 6 \div (3 + 5 - 6) \\ & = 6 \div (8 - 6) \\ & = 6 \div 2 \\ & = 3 \end{aligned}$$