

# Order of Operations (H)

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

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

Solve each expression using the correct order of operations.

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

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

$$6 \div 3 \times (8 + 5 - 7) \div 2$$

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

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

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

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

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

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Solve each expression using the correct order of operations.

$$\begin{aligned} & (10 \div 2) \times (5 - 3 + 8 + 7) \\ & = 5 \times (5 - 3 + 8 + 7) \\ & = 5 \times (2 + 8 + 7) \\ & = 5 \times (10 + 7) \\ & = 5 \times 17 \\ & = 85 \end{aligned}$$

$$\begin{aligned} & (10 \div 2 - 3 + 8) \times 4 + 5 \\ & = (5 - 3 + 8) \times 4 + 5 \\ & = (2 + 8) \times 4 + 5 \\ & = 10 \times 4 + 5 \\ & = 40 + 5 \\ & = 45 \end{aligned}$$

$$\begin{aligned} & 6 \div 3 \times (8 + 5 - 7) \div 2 \\ & = 6 \div 3 \times (13 - 7) \div 2 \\ & = 6 \div 3 \times 6 \div 2 \\ & = 2 \times 6 \div 2 \\ & = 12 \div 2 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & 4 \times (5 + 9 - 2) \div 6 + 3 \\ & = 4 \times (14 - 2) \div 6 + 3 \\ & = 4 \times 12 \div 6 + 3 \\ & = 48 \div 6 + 3 \\ & = 8 + 3 \\ & = 11 \end{aligned}$$

$$\begin{aligned} & (6 - 9 \div 3 + 4) \times (7 - 5) \\ & = (6 - 3 + 4) \times (7 - 5) \\ & = (3 + 4) \times (7 - 5) \\ & = 7 \times (7 - 5) \\ & = 7 \times 2 \\ & = 14 \end{aligned}$$

$$\begin{aligned} & 5 \div (4 + 8 - 7) \times 6 - 2 \\ & = 5 \div (12 - 7) \times 6 - 2 \\ & = 5 \div 5 \times 6 - 2 \\ & = 1 \times 6 - 2 \\ & = 6 - 2 \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 10 \times 6 \div (3 + 2 - 4 + 9) \\ & = 10 \times 6 \div (5 - 4 + 9) \\ & = 10 \times 6 \div (1 + 9) \\ & = 10 \times 6 \div 10 \\ & = 60 \div 10 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & 10 \div 2 \times (7 + 9 - 5 - 8) \\ & = 10 \div 2 \times (16 - 5 - 8) \\ & = 10 \div 2 \times (11 - 8) \\ & = 10 \div 2 \times 3 \\ & = 5 \times 3 \\ & = 15 \end{aligned}$$