

# Order of Operations (H)

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

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

Simplify 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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Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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