

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$7 \times (6 - 2 + 3) \div (5 \div (9 - 4))$$

$$((10 - 4) \times 9) \div 2 + 3 + 6 \times 5$$

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

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

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

$$4 \div (6 + 8 - 10) \times (2 + 3 - 5)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} &7 \times (6 - 2 + 3) \div (5 \div (9 - 4)) \\ &= 7 \times (4 + 3) \div (5 \div (9 - 4)) \\ &= 7 \times 7 \div (5 \div (9 - 4)) \\ &= 7 \times 7 \div (5 \div 5) \\ &= 7 \times 7 \div 1 \\ &= 49 \div 1 \\ &= 49 \end{aligned}$$

$$\begin{aligned} &((10 - 4) \times 9) \div 2 + 3 + 6 \times 5 \\ &= (6 \times 9) \div 2 + 3 + 6 \times 5 \\ &= 54 \div 2 + 3 + 6 \times 5 \\ &= 27 + 3 + 6 \times 5 \\ &= 27 + 3 + 30 \\ &= 30 + 30 \\ &= 60 \end{aligned}$$

$$\begin{aligned} &(2 \div (6 - 5)) \times 8 + 9 - 3 \times 4 \\ &= (2 \div 1) \times 8 + 9 - 3 \times 4 \\ &= 2 \times 8 + 9 - 3 \times 4 \\ &= 16 + 9 - 3 \times 4 \\ &= 16 + 9 - 12 \\ &= 25 - 12 \\ &= 13 \end{aligned}$$

$$\begin{aligned} &(9 \div 3) \times (5 + 10 - 7 + 8 - 2) \\ &= 3 \times (5 + 10 - 7 + 8 - 2) \\ &= 3 \times (15 - 7 + 8 - 2) \\ &= 3 \times (8 + 8 - 2) \\ &= 3 \times (16 - 2) \\ &= 3 \times 14 \\ &= 42 \end{aligned}$$

$$\begin{aligned} &3 \div (4 + 9 - 10) \times (2 \times (7 + 6)) \\ &= 3 \div (13 - 10) \times (2 \times (7 + 6)) \\ &= 3 \div 3 \times (2 \times (7 + 6)) \\ &= 3 \div 3 \times (2 \times 13) \\ &= 3 \div 3 \times 26 \\ &= 1 \times 26 \\ &= 26 \end{aligned}$$

$$\begin{aligned} &4 \div (6 + 8 - 10) \times (2 + 3 - 5) \\ &= 4 \div (14 - 10) \times (2 + 3 - 5) \\ &= 4 \div 4 \times (2 + 3 - 5) \\ &= 4 \div 4 \times (5 - 5) \\ &= 4 \div 4 \times 0 \\ &= 1 \times 0 \\ &= 0 \end{aligned}$$