

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 - 8) \times 3 + 6 \div 2 \times (9 + 7)$$

$$(9 \times 2) \div (3 + 10 - 6 - 5 + 7)$$

$$2 \times (6 - 5 + 4) \div (8 \div (7 - 3))$$

$$(3 \times 8) \div (7 + 4 - 2 - 5) \div 6$$

$$(5 \times 10) \div (8 + 9 - 6 + 3 - 4)$$

$$5 \div (7 - 6) \times (9 + 10) \times (4 - 3)$$

Order of Operations (A)

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 - 8) \times 3 + 6 \div 2 \times (9 + 7) \\ & = 2 \times 3 + 6 \div 2 \times (9 + 7) \\ & = 2 \times 3 + 6 \div 2 \times 16 \\ & = 6 + 6 \div 2 \times 16 \\ & = 6 + 3 \times 16 \\ & = 6 + 48 \\ & = 54 \end{aligned}$$

$$\begin{aligned} & (9 \times 2) \div (3 + 10 - 6 - 5 + 7) \\ & = 18 \div (3 + 10 - 6 - 5 + 7) \\ & = 18 \div (13 - 6 - 5 + 7) \\ & = 18 \div (7 - 5 + 7) \\ & = 18 \div (2 + 7) \\ & = 18 \div 9 \\ & = 2 \end{aligned}$$

$$\begin{aligned} & 2 \times (6 - 5 + 4) \div (8 \div (7 - 3)) \\ & = 2 \times (1 + 4) \div (8 \div (7 - 3)) \\ & = 2 \times 5 \div (8 \div (7 - 3)) \\ & = 2 \times 5 \div (8 \div 4) \\ & = 2 \times 5 \div 2 \\ & = 10 \div 2 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & (3 \times 8) \div (7 + 4 - 2 - 5) \div 6 \\ & = 24 \div (7 + 4 - 2 - 5) \div 6 \\ & = 24 \div (11 - 2 - 5) \div 6 \\ & = 24 \div (9 - 5) \div 6 \\ & = 24 \div 4 \div 6 \\ & = 6 \div 6 \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (5 \times 10) \div (8 + 9 - 6 + 3 - 4) \\ & = 50 \div (8 + 9 - 6 + 3 - 4) \\ & = 50 \div (17 - 6 + 3 - 4) \\ & = 50 \div (11 + 3 - 4) \\ & = 50 \div (14 - 4) \\ & = 50 \div 10 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & 5 \div (7 - 6) \times (9 + 10) \times (4 - 3) \\ & = 5 \div 1 \times (9 + 10) \times (4 - 3) \\ & = 5 \div 1 \times 19 \times (4 - 3) \\ & = 5 \div 1 \times 19 \times 1 \\ & = 5 \times 19 \times 1 \\ & = 95 \times 1 \\ & = 95 \end{aligned}$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(9 - 4) \times (7 + 5) \div 2 \div (3 \times 10)$$

$$(5 \times 8) \div 10 - 4 + 9 \div (7 - 6)$$

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

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

$$((10 - 8) \times (3 + 7)) \div 2 - 5 + 4$$

$$9 + 6 - 10 \div (2 \times ((8 - 3) \div 5))$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (9 - 4) \times (7 + 5) \div 2 \div (3 \times 10) \\ & = 5 \times (7 + 5) \div 2 \div (3 \times 10) \\ & = 5 \times 12 \div 2 \div (3 \times 10) \\ & = \underline{5 \times 12} \div 2 \div 30 \\ & = \underline{60 \div 2} \div 30 \\ & = \underline{30 \div 30} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (5 \times 8) \div 10 - 4 + 9 \div (7 - 6) \\ & = 40 \div 10 - 4 + 9 \div (7 - 6) \\ & = \underline{40 \div 10} - 4 + 9 \div 1 \\ & = 4 - 4 + \underline{9 \div 1} \\ & = \underline{4 - 4} + 9 \\ & = \underline{0 + 9} \\ & = 9 \end{aligned}$$

$$\begin{aligned} & 9 \times 3 + 4 - 7 \div (2 \div (10 - 8)) \\ & = 9 \times 3 + 4 - 7 \div (2 \div 2) \\ & = \underline{9 \times 3} + 4 - 7 \div 1 \\ & = 27 + 4 - \underline{7 \div 1} \\ & = \underline{27 + 4} - 7 \\ & = \underline{31 - 7} \\ & = 24 \end{aligned}$$

$$\begin{aligned} & (6 \times (2 + 3)) \div (9 - 7) \div 5 + 4 \\ & = (\underline{6 \times 5}) \div (9 - 7) \div 5 + 4 \\ & = 30 \div (\underline{9 - 7}) \div 5 + 4 \\ & = \underline{30 \div 2} \div 5 + 4 \\ & = \underline{15 \div 5} + 4 \\ & = \underline{3 + 4} \\ & = 7 \end{aligned}$$

$$\begin{aligned} & ((10 - 8) \times (3 + 7)) \div 2 - 5 + 4 \\ & = (2 \times (3 + 7)) \div 2 - 5 + 4 \\ & = (\underline{2 \times 10}) \div 2 - 5 + 4 \\ & = \underline{20 \div 2} - 5 + 4 \\ & = \underline{10 - 5} + 4 \\ & = \underline{5 + 4} \\ & = 9 \end{aligned}$$

$$\begin{aligned} & 9 + 6 - 10 \div (2 \times ((8 - 3) \div 5)) \\ & = 9 + 6 - 10 \div (2 \times (5 \div 5)) \\ & = 9 + 6 - 10 \div (\underline{2 \times 1}) \\ & = 9 + 6 - \underline{10 \div 2} \\ & = \underline{9 + 6} - 5 \\ & = \underline{15 - 5} \\ & = 10 \end{aligned}$$

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(7 + 9) \div (6 - 2) \times 8 \div (3 + 5)$$

$$(4 \times 2) \div 8 + 7 - 10 \div (5 - 3)$$

$$(7 + 3) \div (8 - 6) \times 5 + 2 - 9$$

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

$$(8 \times 6) \div 2 - 3 + 5 \times (9 - 7)$$

$$(8 - 4) \times (3 + 5) \div (6 + 10) \times 7$$

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (7 + 9) \div (6 - 2) \times 8 \div (3 + 5) \\ & = 16 \div (6 - 2) \times 8 \div (3 + 5) \\ & = 16 \div 4 \times 8 \div (3 + 5) \\ & = \underline{16 \div 4} \times 8 \div 8 \\ & = \underline{4 \times 8} \div 8 \\ & = \underline{32 \div 8} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & (4 \times 2) \div 8 + 7 - 10 \div (5 - 3) \\ & = 8 \div 8 + 7 - 10 \div (5 - 3) \\ & = \underline{8 \div 8} + 7 - 10 \div 2 \\ & = 1 + 7 - \underline{10 \div 2} \\ & = \underline{1 + 7} - 5 \\ & = \underline{8 - 5} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (7 + 3) \div (8 - 6) \times 5 + 2 - 9 \\ & = 10 \div (8 - 6) \times 5 + 2 - 9 \\ & = \underline{10 \div 2} \times 5 + 2 - 9 \\ & = \underline{5 \times 5} + 2 - 9 \\ & = \underline{25 + 2} - 9 \\ & = \underline{27 - 9} \\ & = 18 \end{aligned}$$

$$\begin{aligned} & (9 \div 3) \times 10 - 4 + 2 \div (6 - 5) \\ & = 3 \times 10 - 4 + 2 \div (6 - 5) \\ & = \underline{3 \times 10} - 4 + 2 \div 1 \\ & = 30 - 4 + \underline{2 \div 1} \\ & = \underline{30 - 4} + 2 \\ & = \underline{26 + 2} \\ & = 28 \end{aligned}$$

$$\begin{aligned} & (8 \times 6) \div 2 - 3 + 5 \times (9 - 7) \\ & = 48 \div 2 - 3 + 5 \times (9 - 7) \\ & = \underline{48 \div 2} - 3 + 5 \times 2 \\ & = 24 - 3 + \underline{5 \times 2} \\ & = \underline{24 - 3} + 10 \\ & = \underline{21 + 10} \\ & = 31 \end{aligned}$$

$$\begin{aligned} & (8 - 4) \times (3 + 5) \div (6 + 10) \times 7 \\ & = 4 \times (3 + 5) \div (6 + 10) \times 7 \\ & = 4 \times 8 \div (6 + 10) \times 7 \\ & = \underline{4 \times 8} \div 16 \times 7 \\ & = \underline{32 \div 16} \times 7 \\ & = \underline{2 \times 7} \\ & = 14 \end{aligned}$$

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((10 \times 4) \div (5 + 6 - 8 + 7)) \times 2$$

$$(7 \times (3 + 5)) \div 4 - 10 + 2 \times 6$$

$$5 \times (7 - 2 + 10) \div (6 + 8 - 9)$$

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

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

$$10 \times (5 + 3 - 8) \div (7 + 4 - 2)$$

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((10 \times 4) \div (5 + 6 - 8 + 7)) \times 2 \\ &= (40 \div (5 + 6 - 8 + 7)) \times 2 \\ &= (40 \div (11 - 8 + 7)) \times 2 \\ &= (40 \div (3 + 7)) \times 2 \\ &= (40 \div 10) \times 2 \\ &= 4 \times 2 \\ &= 8 \end{aligned}$$

$$\begin{aligned} & (7 \times (3 + 5)) \div 4 - 10 + 2 \times 6 \\ &= (7 \times 8) \div 4 - 10 + 2 \times 6 \\ &= 56 \div 4 - 10 + 2 \times 6 \\ &= 14 - 10 + 2 \times 6 \\ &= 14 - 10 + 12 \\ &= 4 + 12 \\ &= 16 \end{aligned}$$

$$\begin{aligned} & 5 \times (7 - 2 + 10) \div (6 + 8 - 9) \\ &= 5 \times (5 + 10) \div (6 + 8 - 9) \\ &= 5 \times 15 \div (6 + 8 - 9) \\ &= 5 \times 15 \div (14 - 9) \\ &= 5 \times 15 \div 5 \\ &= 75 \div 5 \\ &= 15 \end{aligned}$$

$$\begin{aligned} & 8 + 3 \div (5 - 2) \times (10 + 4) \times 6 \\ &= 8 + 3 \div 3 \times (10 + 4) \times 6 \\ &= 8 + 3 \div 3 \times 14 \times 6 \\ &= 8 + 1 \times 14 \times 6 \\ &= 8 + 14 \times 6 \\ &= 8 + 84 \\ &= 92 \end{aligned}$$

$$\begin{aligned} & (6 \times (9 - 3)) \div 4 + 7 \div (5 + 2) \\ &= (6 \times 6) \div 4 + 7 \div (5 + 2) \\ &= 36 \div 4 + 7 \div (5 + 2) \\ &= 36 \div 4 + 7 \div 7 \\ &= 9 + 7 \div 7 \\ &= 9 + 1 \\ &= 10 \end{aligned}$$

$$\begin{aligned} & 10 \times (5 + 3 - 8) \div (7 + 4 - 2) \\ &= 10 \times (8 - 8) \div (7 + 4 - 2) \\ &= 10 \times 0 \div (7 + 4 - 2) \\ &= 10 \times 0 \div (11 - 2) \\ &= 10 \times 0 \div 9 \\ &= 0 \div 9 \\ &= 0 \end{aligned}$$

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(6 \div 3) \times (9 + 10 - 2 + 5 - 7)$$

$$((7 - 4) \times 10) \div (2 + 9 - 8) \times 5$$

$$5 \times (10 - 8 + 6) \div ((7 + 9) \div 4)$$

$$((7 + 9) \div 2) \times 10 - 8 + 3 \times 6$$

$$(2 \times 7) \div (10 - 6 + 8 - 5) \times 3$$

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

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 \div 3) \times (9 + 10 - 2 + 5 - 7) \\ & = 2 \times (9 + 10 - 2 + 5 - 7) \\ & = 2 \times (19 - 2 + 5 - 7) \\ & = 2 \times (17 + 5 - 7) \\ & = 2 \times (22 - 7) \\ & = 2 \times 15 \\ & = 30 \end{aligned}$$

$$\begin{aligned} & ((7 - 4) \times 10) \div (2 + 9 - 8) \times 5 \\ & = (3 \times 10) \div (2 + 9 - 8) \times 5 \\ & = 30 \div (2 + 9 - 8) \times 5 \\ & = 30 \div (11 - 8) \times 5 \\ & = 30 \div 3 \times 5 \\ & = 10 \times 5 \\ & = 50 \end{aligned}$$

$$\begin{aligned} & 5 \times (10 - 8 + 6) \div ((7 + 9) \div 4) \\ & = 5 \times (2 + 6) \div ((7 + 9) \div 4) \\ & = 5 \times 8 \div ((7 + 9) \div 4) \\ & = 5 \times 8 \div (16 \div 4) \\ & = 5 \times 8 \div 4 \\ & = 40 \div 4 \\ & = 10 \end{aligned}$$

$$\begin{aligned} & ((7 + 9) \div 2) \times 10 - 8 + 3 \times 6 \\ & = (16 \div 2) \times 10 - 8 + 3 \times 6 \\ & = 8 \times 10 - 8 + 3 \times 6 \\ & = 80 - 8 + 3 \times 6 \\ & = 80 - 8 + 18 \\ & = 72 + 18 \\ & = 90 \end{aligned}$$

$$\begin{aligned} & (2 \times 7) \div (10 - 6 + 8 - 5) \times 3 \\ & = 14 \div (10 - 6 + 8 - 5) \times 3 \\ & = 14 \div (4 + 8 - 5) \times 3 \\ & = 14 \div (12 - 5) \times 3 \\ & = 14 \div 7 \times 3 \\ & = 2 \times 3 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & 5 \times 3 + 9 - 10 \div ((8 - 4) \div 2) \\ & = 5 \times 3 + 9 - 10 \div (4 \div 2) \\ & = 5 \times 3 + 9 - 10 \div 2 \\ & = 15 + 9 - 10 \div 2 \\ & = 15 + 9 - 5 \\ & = 24 - 5 \\ & = 19 \end{aligned}$$

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 \times (8 - 3)) \div (6 + 4 - 5) \times 7$$

$$(9 \times 8) \div (6 - 5 + 3 + 4 - 7)$$

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

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

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

$$7 \times 2 + 10 \div (5 - 4) \times (9 - 8)$$

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}(10 \times (8 - 3)) \div (6 + 4 - 5) \times 7 \\ &= (10 \times 5) \div (6 + 4 - 5) \times 7 \\ &= 50 \div (6 + 4 - 5) \times 7 \\ &= 50 \div (10 - 5) \times 7 \\ &= 50 \div 5 \times 7 \\ &= 10 \times 7 \\ &= 70\end{aligned}$$

$$\begin{aligned}(9 \times 8) \div (6 - 5 + 3 + 4 - 7) \\ &= 72 \div (6 - 5 + 3 + 4 - 7) \\ &= 72 \div (1 + 3 + 4 - 7) \\ &= 72 \div (4 + 4 - 7) \\ &= 72 \div (8 - 7) \\ &= 72 \div 1 \\ &= 72\end{aligned}$$

$$\begin{aligned}((8 \div 2) \times (5 + 6 - 9 + 7)) \div 4 \\ &= (4 \times (5 + 6 - 9 + 7)) \div 4 \\ &= (4 \times (11 - 9 + 7)) \div 4 \\ &= (4 \times (2 + 7)) \div 4 \\ &= (4 \times 9) \div 4 \\ &= 36 \div 4 \\ &= 9\end{aligned}$$

$$\begin{aligned}(9 \div (7 - 6)) \times 5 + 4 - 2 + 8 \\ &= (9 \div 1) \times 5 + 4 - 2 + 8 \\ &= 9 \times 5 + 4 - 2 + 8 \\ &= 45 + 4 - 2 + 8 \\ &= 49 - 2 + 8 \\ &= 47 + 8 \\ &= 55\end{aligned}$$

$$\begin{aligned}(8 \times (9 - 2)) \div (4 + 3 + 6 - 5) \\ &= (8 \times 7) \div (4 + 3 + 6 - 5) \\ &= 56 \div (4 + 3 + 6 - 5) \\ &= 56 \div (7 + 6 - 5) \\ &= 56 \div (13 - 5) \\ &= 56 \div 8 \\ &= 7\end{aligned}$$

$$\begin{aligned}7 \times 2 + 10 \div (5 - 4) \times (9 - 8) \\ &= 7 \times 2 + 10 \div 1 \times (9 - 8) \\ &= 7 \times 2 + 10 \div 1 \times 1 \\ &= 14 + 10 \div 1 \times 1 \\ &= 14 + 10 \times 1 \\ &= 14 + 10 \\ &= 24\end{aligned}$$

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((4 + 5) \times 10) \div 6 - 2 + 7 - 9$$

$$(7 - 2) \times (4 + 8) \div 6 + 10 - 5$$

$$((8 - 3 + 4) \div 9) \times 7 - 6 + 2$$

$$(10 \times 7) \div (8 - 3 + 2) \times (6 + 4)$$

$$10 - 9 + 6 \div ((3 \times 7) \div (5 + 2))$$

$$(6 \div (4 - 3)) \times (10 + 2 + 7 - 8)$$

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((4 + 5) \times 10) \div 6 - 2 + 7 - 9 \\ & = (9 \times 10) \div 6 - 2 + 7 - 9 \\ & = 90 \div 6 - 2 + 7 - 9 \\ & = 15 - 2 + 7 - 9 \\ & = 13 + 7 - 9 \\ & = 20 - 9 \\ & = 11 \end{aligned}$$

$$\begin{aligned} & (7 - 2) \times (4 + 8) \div 6 + 10 - 5 \\ & = 5 \times (4 + 8) \div 6 + 10 - 5 \\ & = 5 \times 12 \div 6 + 10 - 5 \\ & = 60 \div 6 + 10 - 5 \\ & = 10 + 10 - 5 \\ & = 20 - 5 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & ((8 - 3 + 4) \div 9) \times 7 - 6 + 2 \\ & = ((5 + 4) \div 9) \times 7 - 6 + 2 \\ & = (9 \div 9) \times 7 - 6 + 2 \\ & = 1 \times 7 - 6 + 2 \\ & = 7 - 6 + 2 \\ & = 1 + 2 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (10 \times 7) \div (8 - 3 + 2) \times (6 + 4) \\ & = 70 \div (8 - 3 + 2) \times (6 + 4) \\ & = 70 \div (5 + 2) \times (6 + 4) \\ & = 70 \div 7 \times (6 + 4) \\ & = 70 \div 7 \times 10 \\ & = 10 \times 10 \\ & = 100 \end{aligned}$$

$$\begin{aligned} & 10 - 9 + 6 \div ((3 \times 7) \div (5 + 2)) \\ & = 10 - 9 + 6 \div (21 \div (5 + 2)) \\ & = 10 - 9 + 6 \div (21 \div 7) \\ & = 10 - 9 + 6 \div 3 \\ & = 10 - 9 + 2 \\ & = 1 + 2 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (6 \div (4 - 3)) \times (10 + 2 + 7 - 8) \\ & = (6 \div 1) \times (10 + 2 + 7 - 8) \\ & = 6 \times (10 + 2 + 7 - 8) \\ & = 6 \times (12 + 7 - 8) \\ & = 6 \times (19 - 8) \\ & = 6 \times 11 \\ & = 66 \end{aligned}$$

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(8 \times 6) \div (7 + 4 - 10) \div (9 - 5)$$

$$7 \div (5 + 10 - 8) \times (6 \times (9 - 3))$$

$$8 \times ((6 - 2 + 10) \div (4 + 5 - 7))$$

$$((10 + 2) \div 4) \times 6 - 5 - 7 + 3$$

$$((6 + 10) \div 2) \times 3 - 7 + 8 \div 4$$

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 \div 5) \times (7 + 9 - 3 + 8 - 2) \\ & = 2 \times (7 + 9 - 3 + 8 - 2) \\ & = 2 \times (16 - 3 + 8 - 2) \\ & = 2 \times (13 + 8 - 2) \\ & = 2 \times (21 - 2) \\ & = 2 \times 19 \\ & = 38 \end{aligned}$$

$$\begin{aligned} & (8 \times 6) \div (7 + 4 - 10) \div (9 - 5) \\ & = 48 \div (7 + 4 - 10) \div (9 - 5) \\ & = 48 \div (11 - 10) \div (9 - 5) \\ & = 48 \div 1 \div (9 - 5) \\ & = 48 \div 1 \div 4 \\ & = 48 \div 4 \\ & = 12 \end{aligned}$$

$$\begin{aligned} & 7 \div (5 + 10 - 8) \times (6 \times (9 - 3)) \\ & = 7 \div (15 - 8) \times (6 \times (9 - 3)) \\ & = 7 \div 7 \times (6 \times (9 - 3)) \\ & = 7 \div 7 \times (6 \times 6) \\ & = 7 \div 7 \times 36 \\ & = 1 \times 36 \\ & = 36 \end{aligned}$$

$$\begin{aligned} & 8 \times ((6 - 2) + 10) \div (4 + 5 - 7) \\ & = 8 \times ((4 + 10) \div (4 + 5 - 7)) \\ & = 8 \times (14 \div (4 + 5 - 7)) \\ & = 8 \times (14 \div (9 - 7)) \\ & = 8 \times (14 \div 2) \\ & = 8 \times 7 \\ & = 56 \end{aligned}$$

$$\begin{aligned} & ((10 + 2) \div 4) \times 6 - 5 - 7 + 3 \\ & = (12 \div 4) \times 6 - 5 - 7 + 3 \\ & = 3 \times 6 - 5 - 7 + 3 \\ & = 18 - 5 - 7 + 3 \\ & = 13 - 7 + 3 \\ & = 6 + 3 \\ & = 9 \end{aligned}$$

$$\begin{aligned} & ((6 + 10) \div 2) \times 3 - 7 + 8 \div 4 \\ & = (16 \div 2) \times 3 - 7 + 8 \div 4 \\ & = 8 \times 3 - 7 + 8 \div 4 \\ & = 24 - 7 + 8 \div 4 \\ & = 24 - 7 + 2 \\ & = 17 + 2 \\ & = 19 \end{aligned}$$