

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$2 \times (3^3 - 5 + 8)$$

$$(3 \times 2^2) \div (6 - 4)$$

$$3^3 \times (6 + 2 - 8)$$

$$(3^2 - 8 + 2) \times 4$$

$$(9^2 - 8 + 2) \div 5$$

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

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

$$(6 - 2^2 + 5) \times 8$$

$$(2^3 + 8 - 4) \div 3$$

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &2^3 \times (8 + 4 - 10) \\ &= 2^3 \times (12 - 10) \\ &= 2^3 \times 2 \\ &= 8 \times 2 \\ &= 16 \end{aligned}$$

$$\begin{aligned} &2 \times (3^3 - 5 + 8) \\ &= 2 \times (27 - 5 + 8) \\ &= 2 \times (22 + 8) \\ &= 2 \times 30 \\ &= 60 \end{aligned}$$

$$\begin{aligned} &(3 \times 2^2) \div (6 - 4) \\ &= (3 \times 4) \div (6 - 4) \\ &= 12 \div (6 - 4) \\ &= 12 \div 2 \\ &= 6 \end{aligned}$$

$$\begin{aligned} &3^3 \times (6 + 2 - 8) \\ &= 3^3 \times (8 - 8) \\ &= 3^3 \times 0 \\ &= 27 \times 0 \\ &= 0 \end{aligned}$$

$$\begin{aligned} &(3^2 - 8 + 2) \times 4 \\ &= (9 - 8 + 2) \times 4 \\ &= (1 + 2) \times 4 \\ &= 3 \times 4 \\ &= 12 \end{aligned}$$

$$\begin{aligned} &(9^2 - 8 + 2) \div 5 \\ &= (81 - 8 + 2) \div 5 \\ &= (73 + 2) \div 5 \\ &= 75 \div 5 \\ &= 15 \end{aligned}$$

$$\begin{aligned} &(3 + 5^2 - 8) \times 4 \\ &= (3 + 25 - 8) \times 4 \\ &= (28 - 8) \times 4 \\ &= 20 \times 4 \\ &= 80 \end{aligned}$$

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

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

$$\begin{aligned} &(2^3 + 8 - 4) \div 3 \\ &= (8 + 8 - 4) \div 3 \\ &= (16 - 4) \div 3 \\ &= 12 \div 3 \\ &= 4 \end{aligned}$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 - 7 + 3^2) \times 6$$

$$5 \div (8 + 2^2 - 7)$$

$$(6 + 3) \times 8 - 2^2$$

$$5 \times (9 - 2^2 + 10)$$

$$(2^2 + 8) \times (9 - 5)$$

$$(7 - 2^3 \div 4) \times 9$$

$$5 \times (7 - 3 + 2^2)$$

$$(7 + 4 - 2^3) \times 5$$

$$(9 + 3) \times (10 - 8)^3$$

$$(3 + 10) \times (5 - 2^2)$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}(10 - 7 + 3^2) \times 6 \\ &= (10 - 7 + 9) \times 6 \\ &= (3 + 9) \times 6 \\ &= 12 \times 6 \\ &= 72\end{aligned}$$

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

$$\begin{aligned}(6 + 3) \times 8 - 2^2 \\ &= 9 \times 8 - 2^2 \\ &= 9 \times 8 - 4 \\ &= 72 - 4 \\ &= 68\end{aligned}$$

$$\begin{aligned}5 \times (9 - 2^2 + 10) \\ &= 5 \times (9 - 4 + 10) \\ &= 5 \times (5 + 10) \\ &= 5 \times 15 \\ &= 75\end{aligned}$$

$$\begin{aligned}(2^2 + 8) \times (9 - 5) \\ &= (4 + 8) \times (9 - 5) \\ &= 12 \times (9 - 5) \\ &= 12 \times 4 \\ &= 48\end{aligned}$$

$$\begin{aligned}(7 - 2^3 \div 4) \times 9 \\ &= (7 - 8 \div 4) \times 9 \\ &= (7 - 2) \times 9 \\ &= 5 \times 9 \\ &= 45\end{aligned}$$

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

$$\begin{aligned}(7 + 4 - 2^3) \times 5 \\ &= (7 + 4 - 8) \times 5 \\ &= (11 - 8) \times 5 \\ &= 3 \times 5 \\ &= 15\end{aligned}$$

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

$$\begin{aligned}(3 + 10) \times (5 - 2^2) \\ &= 13 \times (5 - 2^2) \\ &= 13 \times (5 - 4) \\ &= 13 \times 1 \\ &= 13\end{aligned}$$

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(7 - 6 + 2)^2 \times 5$$

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

$$2^2 \times (9 - 7 + 6)$$

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

$$(6^2 + 9) \div (10 - 5)$$

$$(4^2 - 8 + 10) \div 6$$

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

$$(4 + 6 - 2^3) \times 3$$

$$(3^2 - 9) \div 8 + 10$$

$$5 \div (4 \times 2 - 7)^3$$

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (7 - 6 + 2)^2 \times 5 \\ &= (1 + 2)^2 \times 5 \\ &= 3^2 \times 5 \\ &= 9 \times 5 \\ &= 45 \end{aligned}$$

$$\begin{aligned} & 2^2 \times (9 - 7 + 6) \\ &= 2^2 \times (2 + 6) \\ &= 2^2 \times 8 \\ &= 4 \times 8 \\ &= 32 \end{aligned}$$

$$\begin{aligned} & (6^2 + 9) \div (10 - 5) \\ &= (36 + 9) \div (10 - 5) \\ &= 45 \div (10 - 5) \\ &= 45 \div 5 \\ &= 9 \end{aligned}$$

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

$$\begin{aligned} & (3^2 - 9) \div 8 + 10 \\ &= (9 - 9) \div 8 + 10 \\ &= 0 \div 8 + 10 \\ &= 0 + 10 \\ &= 10 \end{aligned}$$

$$\begin{aligned} & (4^2 + 3) \times (10 - 8) \\ &= (16 + 3) \times (10 - 8) \\ &= 19 \times (10 - 8) \\ &= 19 \times 2 \\ &= 38 \end{aligned}$$

$$\begin{aligned} & 4 + 7^2 \div (6 - 5) \\ &= 4 + 7^2 \div 1 \\ &= 4 + 49 \div 1 \\ &= 4 + 49 \\ &= 53 \end{aligned}$$

$$\begin{aligned} & (4^2 - 8 + 10) \div 6 \\ &= (16 - 8 + 10) \div 6 \\ &= (8 + 10) \div 6 \\ &= 18 \div 6 \\ &= 3 \end{aligned}$$

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

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

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$2^3 \times (3 + 8 \div 4)$$

$$(10 \div 5 + 2)^2 \times 4$$

$$3 \times (8 + 7 - 2^2)$$

$$8 \div (6 + 4 - 9)^2$$

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

$$6^2 \div (10 + 4 - 8)$$

$$(10^2 - 7 + 3) \div 6$$

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

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

$$10 \times (2^3 + 7 - 6)$$

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\begin{aligned}(\underline{10 \div 5} + 2)^2 \times 4 \\&= (\underline{2 + 2})^2 \times 4 \\&= \underline{4^2} \times 4 \\&= \underline{16 \times 4} \\&= 64\end{aligned}$$

$$\begin{aligned}3 \times (8 + 7 - 2^2) \\&= 3 \times (\underline{8 + 7} - 4) \\&= 3 \times (\underline{15 - 4}) \\&= \underline{3 \times 11} \\&= 33\end{aligned}$$

$$\begin{aligned}8 \div (\underline{6 + 4} - 9)^2 \\&= 8 \div (\underline{10 - 9})^2 \\&= 8 \div \underline{1^2} \\&= \underline{8 \div 1} \\&= 8\end{aligned}$$

$$\begin{aligned}4 \div (\underline{5^2} - 8 \times 3) \\&= 4 \div (25 - \underline{8 \times 3}) \\&= 4 \div (\underline{25 - 24}) \\&= \underline{4 \div 1} \\&= 4\end{aligned}$$

$$\begin{aligned}6^2 \div (\underline{10 + 4} - 8) \\&= 6^2 \div (\underline{14 - 8}) \\&= \underline{6^2} \div 6 \\&= \underline{36 \div 6} \\&= 6\end{aligned}$$

$$\begin{aligned}(\underline{10^2} - 7 + 3) \div 6 \\&= (\underline{100 - 7} + 3) \div 6 \\&= (\underline{93 + 3}) \div 6 \\&= \underline{96 \div 6} \\&= 16\end{aligned}$$

$$\begin{aligned}4 \times (6 + 9 - \underline{3^2}) \\&= 4 \times (\underline{6 + 9} - 9) \\&= 4 \times (\underline{15 - 9}) \\&= \underline{4 \times 6} \\&= 24\end{aligned}$$

$$\begin{aligned}(\underline{3^2} - 7 + 5) \times 10 \\&= (\underline{9 - 7} + 5) \times 10 \\&= (\underline{2 + 5}) \times 10 \\&= \underline{7 \times 10} \\&= 70\end{aligned}$$

$$\begin{aligned}10 \times (\underline{2^3} + 7 - 6) \\&= 10 \times (\underline{8 + 7} - 6) \\&= 10 \times (\underline{15 - 6}) \\&= \underline{10 \times 9} \\&= 90\end{aligned}$$

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$2 \times (3^2 - 4) \div 5$$

$$8 \div (9 - 7) \times 2^2$$

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

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

$$4 \times 3 \div (7 - 2^2)$$

$$(5 - 4) \times (3^2 + 7)$$

$$(9 + 2^3 - 3) \times 6$$

$$6 \times (3 + 9 - 10)^3$$

$$(4 + 2 - 3)^2 \times 9$$

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}6^2 \div (5 + 4 - 8) \\&= 6^2 \div (9 - 8) \\&= \underline{6^2} \div 1 \\&= \underline{36} \div 1 \\&= 36\end{aligned}$$

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

$$\begin{aligned}8 \div (9 - 7) \times 2^2 \\&= 8 \div 2 \times \underline{2^2} \\&= \underline{8 \div 2} \times 4 \\&= \underline{4} \times 4 \\&= 16\end{aligned}$$

$$\begin{aligned}5^2 + 7 \times (10 - 9) \\&= \underline{5^2} + 7 \times 1 \\&= 25 + \underline{7 \times 1} \\&= \underline{25 + 7} \\&= 32\end{aligned}$$

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

$$\begin{aligned}4 \times 3 \div (7 - \underline{2^2}) \\&= 4 \times 3 \div (7 - 4) \\&= \underline{4 \times 3} \div 3 \\&= \underline{12} \div 3 \\&= 4\end{aligned}$$

$$\begin{aligned}(5 - 4) \times (3^2 + 7) \\&= 1 \times (\underline{3^2} + 7) \\&= 1 \times (9 + 7) \\&= \underline{1 \times 16} \\&= 16\end{aligned}$$

$$\begin{aligned}(9 + \underline{2^3} - 3) \times 6 \\&= (9 + 8 - 3) \times 6 \\&= (\underline{17 - 3}) \times 6 \\&= \underline{14 \times 6} \\&= 84\end{aligned}$$

$$\begin{aligned}6 \times (3 + 9 - 10)^3 \\&= 6 \times (\underline{12 - 10})^3 \\&= 6 \times \underline{2^3} \\&= \underline{6 \times 8} \\&= 48\end{aligned}$$

$$\begin{aligned}(\underline{4 + 2} - 3)^2 \times 9 \\&= (\underline{6 - 3})^2 \times 9 \\&= \underline{3^2} \times 9 \\&= \underline{9 \times 9} \\&= 81\end{aligned}$$

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$$(4^3 \div (2 + 6)) \times 8$$

$$(4^2 - 5 + 10) \div 7$$

$$(9 \times 8 + 2^2) \div 4$$

$$9 + 2 \div (7 - 6)^2$$

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

$$(4 \div 2) \times 3 + 5^2$$

$$(9 \div 3)^3 \times 2 - 6$$

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (9 + 2 - 10) \times 4^3 \\ & = (11 - 10) \times 4^3 \\ & = 1 \times 4^3 \\ & = 1 \times 64 \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (3 \times 5) \div (7 - 6)^2 \\ & = 15 \div (7 - 6)^2 \\ & = 15 \div 1^2 \\ & = 15 \div 1 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (6 \times 2^3) \div 8 + 7 \\ & = (6 \times 8) \div 8 + 7 \\ & = 48 \div 8 + 7 \\ & = 6 + 7 \\ & = 13 \end{aligned}$$

$$\begin{aligned} & (4^3 \div (2 + 6)) \times 8 \\ & = (4^3 \div 8) \times 8 \\ & = (64 \div 8) \times 8 \\ & = 8 \times 8 \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (4^2 - 5 + 10) \div 7 \\ & = (16 - 5 + 10) \div 7 \\ & = (11 + 10) \div 7 \\ & = 21 \div 7 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (9 \times 8 + 2^2) \div 4 \\ & = (9 \times 8 + 4) \div 4 \\ & = (72 + 4) \div 4 \\ & = 76 \div 4 \\ & = 19 \end{aligned}$$

$$\begin{aligned} & 9 + 2 \div (7 - 6)^2 \\ & = 9 + 2 \div 1^2 \\ & = 9 + 2 \div 1 \\ & = 9 + 2 \\ & = 11 \end{aligned}$$

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

$$\begin{aligned} & (4 \div 2) \times 3 + 5^2 \\ & = 2 \times 3 + 5^2 \\ & = 2 \times 3 + 25 \\ & = 6 + 25 \\ & = 31 \end{aligned}$$

$$\begin{aligned} & (9 \div 3)^3 \times 2 - 6 \\ & = 3^3 \times 2 - 6 \\ & = 27 \times 2 - 6 \\ & = 54 - 6 \\ & = 48 \end{aligned}$$

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$5 + 10 \times (3 - 2)^2$$

$$(2^3 - 8) \div 4 \times 6$$

$$(8^2 - 7 \times 4) \div 3$$

$$(3^2 - 2 + 9) \div 8$$

$$(7 - 2) \times 4^2 \div 8$$

$$6 \times (2^3 - 3 + 4)$$

$$(8^2 \div 4 - 2) \times 6$$

$$(4^2 - 3 + 2) \times 6$$

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

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{10-4})^2 \div 9 + 6 \\ & = \underline{6^2} \div 9 + 6 \\ & = \underline{36 \div 9} + 6 \\ & = \underline{4 + 6} \\ & = 10 \end{aligned}$$

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

$$\begin{aligned} & (\underline{2^3} - 8) \div 4 \times 6 \\ & = (\underline{8-8}) \div 4 \times 6 \\ & = \underline{0 \div 4} \times 6 \\ & = \underline{0 \times 6} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (\underline{8^2} - 7 \times 4) \div 3 \\ & = (64 - \underline{7 \times 4}) \div 3 \\ & = (\underline{64-28}) \div 3 \\ & = \underline{36 \div 3} \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (\underline{3^2} - 2 + 9) \div 8 \\ & = (\underline{9-2} + 9) \div 8 \\ & = (\underline{7+9}) \div 8 \\ & = \underline{16 \div 8} \\ & = 2 \end{aligned}$$

$$\begin{aligned} & (\underline{7-2}) \times 4^2 \div 8 \\ & = 5 \times \underline{4^2} \div 8 \\ & = \underline{5 \times 16} \div 8 \\ & = \underline{80 \div 8} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & 6 \times (\underline{2^3} - 3 + 4) \\ & = 6 \times (\underline{8-3} + 4) \\ & = 6 \times (\underline{5+4}) \\ & = \underline{6 \times 9} \\ & = 54 \end{aligned}$$

$$\begin{aligned} & (\underline{8^2} \div 4 - 2) \times 6 \\ & = (\underline{64 \div 4} - 2) \times 6 \\ & = (\underline{16-2}) \times 6 \\ & = \underline{14 \times 6} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & (\underline{4^2} - 3 + 2) \times 6 \\ & = (\underline{16-3} + 2) \times 6 \\ & = (\underline{13+2}) \times 6 \\ & = \underline{15 \times 6} \\ & = 90 \end{aligned}$$

$$\begin{aligned} & (\underline{2^3} - 7 + 8) \times 6 \\ & = (\underline{8-7} + 8) \times 6 \\ & = (\underline{1+8}) \times 6 \\ & = \underline{9 \times 6} \\ & = 54 \end{aligned}$$

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(3 + 9 - 8)^2 \times 5$$

$$9 \times (8 - 2^3 + 7)$$

$$(8^2 + 4 - 10) \div 2$$

$$(10^2 - 5 \times 4) \div 2$$

$$9 \times (7 + 6 - 3^2)$$

$$(5 - 2)^3 \times 3 + 8$$

$$7 \times (4^2 + 2 - 8)$$

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

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

$$(7 + 9 - 10)^2 \div 3$$

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (3 + 9 - 8)^2 \times 5 \\ &= (12 - 8)^2 \times 5 \\ &= 4^2 \times 5 \\ &= 16 \times 5 \\ &= 80 \end{aligned}$$

$$\begin{aligned} & 9 \times (8 - 2^3 + 7) \\ &= 9 \times (8 - 8 + 7) \\ &= 9 \times (0 + 7) \\ &= 9 \times 7 \\ &= 63 \end{aligned}$$

$$\begin{aligned} & (8^2 + 4 - 10) \div 2 \\ &= (64 + 4 - 10) \div 2 \\ &= (68 - 10) \div 2 \\ &= 58 \div 2 \\ &= 29 \end{aligned}$$

$$\begin{aligned} & (10^2 - 5 \times 4) \div 2 \\ &= (100 - 5 \times 4) \div 2 \\ &= (100 - 20) \div 2 \\ &= 80 \div 2 \\ &= 40 \end{aligned}$$

$$\begin{aligned} & 9 \times (7 + 6 - 3^2) \\ &= 9 \times (7 + 6 - 9) \\ &= 9 \times (13 - 9) \\ &= 9 \times 4 \\ &= 36 \end{aligned}$$

$$\begin{aligned} & (5 - 2)^3 \times 3 + 8 \\ &= 3^3 \times 3 + 8 \\ &= 27 \times 3 + 8 \\ &= 81 + 8 \\ &= 89 \end{aligned}$$

$$\begin{aligned} & 7 \times (4^2 + 2 - 8) \\ &= 7 \times (16 + 2 - 8) \\ &= 7 \times (18 - 8) \\ &= 7 \times 10 \\ &= 70 \end{aligned}$$

$$\begin{aligned} & (9 - 3) \div 6 + 5^2 \\ &= 6 \div 6 + 5^2 \\ &= 6 \div 6 + 25 \\ &= 1 + 25 \\ &= 26 \end{aligned}$$

$$\begin{aligned} & (6^2 \div 9) \times (5 + 3) \\ &= (36 \div 9) \times (5 + 3) \\ &= 4 \times (5 + 3) \\ &= 4 \times 8 \\ &= 32 \end{aligned}$$

$$\begin{aligned} & (7 + 9 - 10)^2 \div 3 \\ &= (16 - 10)^2 \div 3 \\ &= 6^2 \div 3 \\ &= 36 \div 3 \\ &= 12 \end{aligned}$$

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(3 + 5 - 8)^2 \times 9$$

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

$$(5 + 7^2 - 6) \times 2$$

$$8 \times (9 + 5 - 2^3)$$

$$(4^2 - 10 + 6) \times 5$$

$$(2^2 + 8 - 4) \times 7$$

$$(3^2 + 4) \div (9 - 8)$$

$$(3^3 - 10) \times 4 + 5$$

$$(4^3 + 5) \times (9 - 8)$$

$$6 + 7 \div (10 - 3^2)$$

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (3 + 5 - 8)^2 \times 9 \\ &= (8 - 8)^2 \times 9 \\ &= 0^2 \times 9 \\ &= 0 \times 9 \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (5 + 7^2 - 6) \times 2 \\ &= (5 + 49 - 6) \times 2 \\ &= (54 - 6) \times 2 \\ &= 48 \times 2 \\ &= 96 \end{aligned}$$

$$\begin{aligned} & (4^2 - 10 + 6) \times 5 \\ &= (16 - 10 + 6) \times 5 \\ &= (6 + 6) \times 5 \\ &= 12 \times 5 \\ &= 60 \end{aligned}$$

$$\begin{aligned} & (3^2 + 4) \div (9 - 8) \\ &= (9 + 4) \div (9 - 8) \\ &= 13 \div (9 - 8) \\ &= 13 \div 1 \\ &= 13 \end{aligned}$$

$$\begin{aligned} & (4^3 + 5) \times (9 - 8) \\ &= (64 + 5) \times (9 - 8) \\ &= 69 \times (9 - 8) \\ &= 69 \times 1 \\ &= 69 \end{aligned}$$

$$\begin{aligned} & 6^2 + 10 \times (9 \div 3) \\ &= 6^2 + 10 \times 3 \\ &= 36 + 10 \times 3 \\ &= 36 + 30 \\ &= 66 \end{aligned}$$

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

$$\begin{aligned} & (2^2 + 8 - 4) \times 7 \\ &= (4 + 8 - 4) \times 7 \\ &= (12 - 4) \times 7 \\ &= 8 \times 7 \\ &= 56 \end{aligned}$$

$$\begin{aligned} & (3^3 - 10) \times 4 + 5 \\ &= (27 - 10) \times 4 + 5 \\ &= 17 \times 4 + 5 \\ &= 68 + 5 \\ &= 73 \end{aligned}$$

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

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((8 - 4) \div 2)^3 \times 3$$

$$(8 \times 9) \div (3 - 2)^3$$

$$6^2 - 7 \times (8 \div 2)$$

$$9 \times (4 - 3 + 2)^2$$

$$(2 - 4^2 \div 8) \times 5$$

$$(2^3 - 8) \div 10 \times 9$$

$$(10 + 4^3 - 2) \div 3$$

$$(3^3 - 4 + 2) \div 5$$

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

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

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((\underline{8-4}) \div 2)^3 \times 3 \\ &= (\underline{4 \div 2})^3 \times 3 \\ &= \underline{2^3} \times 3 \\ &= \underline{8 \times 3} \\ &= 24 \end{aligned}$$

$$\begin{aligned} & (\underline{8 \times 9}) \div (3 - 2)^3 \\ &= 72 \div (\underline{3 - 2})^3 \\ &= 72 \div \underline{1^3} \\ &= \underline{72 \div 1} \\ &= 72 \end{aligned}$$

$$\begin{aligned} & 6^2 - 7 \times (\underline{8 \div 2}) \\ &= \underline{6^2} - 7 \times 4 \\ &= 36 - \underline{7 \times 4} \\ &= \underline{36 - 28} \\ &= 8 \end{aligned}$$

$$\begin{aligned} & 9 \times (\underline{4 - 3} + 2)^2 \\ &= 9 \times (\underline{1 + 2})^2 \\ &= 9 \times \underline{3^2} \\ &= \underline{9 \times 9} \\ &= 81 \end{aligned}$$

$$\begin{aligned} & (2 - \underline{4^2} \div 8) \times 5 \\ &= (2 - \underline{16 \div 8}) \times 5 \\ &= (\underline{2 - 2}) \times 5 \\ &= \underline{0 \times 5} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (\underline{2^3} - 8) \div 10 \times 9 \\ &= (\underline{8 - 8}) \div 10 \times 9 \\ &= \underline{0 \div 10} \times 9 \\ &= \underline{0 \times 9} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (10 + \underline{4^3} - 2) \div 3 \\ &= (\underline{10 + 64} - 2) \div 3 \\ &= (\underline{74 - 2}) \div 3 \\ &= \underline{72 \div 3} \\ &= 24 \end{aligned}$$

$$\begin{aligned} & (\underline{3^3} - 4 + 2) \div 5 \\ &= (\underline{27 - 4} + 2) \div 5 \\ &= (\underline{23 + 2}) \div 5 \\ &= \underline{25 \div 5} \\ &= 5 \end{aligned}$$

$$\begin{aligned} & 10 \times (5 - 4 + \underline{3^2}) \\ &= 10 \times (\underline{5 - 4} + 9) \\ &= 10 \times (\underline{1 + 9}) \\ &= \underline{10 \times 10} \\ &= 100 \end{aligned}$$

$$\begin{aligned} & (\underline{8^2} + 4) \div (6 - 5) \\ &= (\underline{64 + 4}) \div (6 - 5) \\ &= 68 \div (\underline{6 - 5}) \\ &= \underline{68 \div 1} \\ &= 68 \end{aligned}$$