

3 Step Answer Key

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}10 + 5 \times (9 - 4) \\&= 10 + \underline{5 \times 5} \\&= \underline{10 + 25} \\&= 35\end{aligned}$$

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

$$\begin{aligned}(\underline{8 + 3} - 6) \div 5 \\&= \underline{(11 - 6)} \div 5 \\&= \underline{5 \div 5} \\&= 1\end{aligned}$$

$$\begin{aligned}\underline{10 \times 7} + 3 - 4 \\&= \underline{70 + 3} - 4 \\&= \underline{73 - 4} \\&= 69\end{aligned}$$

$$\begin{aligned}10 \times (\underline{6 + 3}) \div 2 \\&= \underline{10 \times 9} \div 2 \\&= \underline{90 \div 2} \\&= 45\end{aligned}$$

$$\begin{aligned}\underline{8 \times 2} + 5 - 6 \\&= \underline{16 + 5} - 6 \\&= \underline{21 - 6} \\&= 15\end{aligned}$$

$$\begin{aligned}8 + 7 \times (\underline{4 - 3}) \\&= 8 + \underline{7 \times 1} \\&= \underline{8 + 7} \\&= 15\end{aligned}$$

$$\begin{aligned}6 + 3 - \underline{4 \div 2} \\&= \underline{6 + 3} - 2 \\&= \underline{9 - 2} \\&= 7\end{aligned}$$

$$\begin{aligned}\underline{8 \times 5} - 4 + 7 \\&= \underline{40 - 4} + 7 \\&= \underline{36 + 7} \\&= 43\end{aligned}$$

$$\begin{aligned}4 \times 6 \div (\underline{10 + 2}) \\&= \underline{4 \times 6} \div 12 \\&= \underline{24 \div 12} \\&= 2\end{aligned}$$

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &7 + \underline{3 \times 5} - 8 \\ &= \underline{7 + 15} - 8 \\ &= \underline{22} - 8 \\ &= 14 \end{aligned}$$

$$\begin{aligned} &(\underline{8 + 6} - 10) \times 5 \\ &= (\underline{14} - 10) \times 5 \\ &= \underline{4} \times 5 \\ &= 20 \end{aligned}$$

$$\begin{aligned} &\underline{10 \times 2} - 3 + 7 \\ &= \underline{20} - 3 + 7 \\ &= \underline{17} + 7 \\ &= 24 \end{aligned}$$

$$\begin{aligned} &4 \times (\underline{9 - 8} + 3) \\ &= 4 \times (\underline{1} + 3) \\ &= \underline{4} \times 4 \\ &= 16 \end{aligned}$$

$$\begin{aligned} &10 + \underline{5 \times 4} - 6 \\ &= \underline{10 + 20} - 6 \\ &= \underline{30} - 6 \\ &= 24 \end{aligned}$$

$$\begin{aligned} &\underline{6 \times 8} \div 3 + 9 \\ &= \underline{48} \div 3 + 9 \\ &= \underline{16} + 9 \\ &= 25 \end{aligned}$$

$$\begin{aligned} &7 \times (\underline{10 + 2} - 3) \\ &= 7 \times (\underline{12} - 3) \\ &= \underline{7 \times 9} \\ &= 63 \end{aligned}$$

$$\begin{aligned} &\underline{4 \times 7} - 10 + 9 \\ &= \underline{28} - 10 + 9 \\ &= \underline{18} + 9 \\ &= 27 \end{aligned}$$

$$\begin{aligned} &(\underline{8 \div 2} - 4) \times 7 \\ &= (\underline{4} - 4) \times 7 \\ &= \underline{0} \times 7 \\ &= 0 \end{aligned}$$

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

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}7 + 10 \times (5 - 3) \\&= 7 + \underline{10 \times 2} \\&= \underline{7 + 20} \\&= 27\end{aligned}$$

$$\begin{aligned}9 \times (3 + 10 - 2) \\&= 9 \times (\underline{13 - 2}) \\&= \underline{9 \times 11} \\&= 99\end{aligned}$$

$$\begin{aligned}4 + 9 \div 3 - 6 \\&= \underline{4 + 3} - 6 \\&= \underline{7 - 6} \\&= 1\end{aligned}$$

$$\begin{aligned}2 \times (8 - 4 + 7) \\&= 2 \times (\underline{4 + 7}) \\&= \underline{2 \times 11} \\&= 22\end{aligned}$$

$$\begin{aligned}8 + 6 \times 7 - 3 \\&= \underline{8 + 42} - 3 \\&= \underline{50 - 3} \\&= 47\end{aligned}$$

$$\begin{aligned}(\underline{9 + 4 - 8}) \times 2 \\&= (\underline{13 - 8}) \times 2 \\&= \underline{5 \times 2} \\&= 10\end{aligned}$$

$$\begin{aligned}10 + 2 \times 3 - 8 \\&= \underline{10 + 6} - 8 \\&= \underline{16 - 8} \\&= 8\end{aligned}$$

$$\begin{aligned}(9 - \underline{10 \div 2}) \times 7 \\&= (\underline{9 - 5}) \times 7 \\&= \underline{4 \times 7} \\&= 28\end{aligned}$$

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

$$\begin{aligned}2 + 4 \times 7 - 10 \\&= \underline{2 + 28} - 10 \\&= \underline{30 - 10} \\&= 20\end{aligned}$$

Order of Operations (D)

Name: _____

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Simplify each expression using the correct order of operations.

$$\begin{aligned}9 - 8 + \underline{6 \times 5} \\ = \underline{9 - 8} + 30 \\ = \underline{1 + 30} \\ = 31\end{aligned}$$

$$\begin{aligned}\underline{3 \times 8} - 2 + 7 \\ = \underline{24 - 2} + 7 \\ = \underline{22 + 7} \\ = 29\end{aligned}$$

$$\begin{aligned}7 \times (\underline{9 - 3 + 4}) \\ = 7 \times (\underline{6 + 4}) \\ = \underline{7 \times 10} \\ = 70\end{aligned}$$

$$\begin{aligned}\underline{9 \times 4} - 3 + 7 \\ = \underline{36 - 3} + 7 \\ = \underline{33 + 7} \\ = 40\end{aligned}$$

$$\begin{aligned}7 \div (\underline{2 \times 8 - 9}) \\ = 7 \div (\underline{16 - 9}) \\ = \underline{7 \div 7} \\ = 1\end{aligned}$$

$$\begin{aligned}\underline{8 \div 2} - 3 + 6 \\ = \underline{4 - 3} + 6 \\ = \underline{1 + 6} \\ = 7\end{aligned}$$

$$\begin{aligned}3 + 9 \times (\underline{6 - 5}) \\ = 3 + \underline{9 \times 1} \\ = \underline{3 + 9} \\ = 12\end{aligned}$$

$$\begin{aligned}\underline{8 \times 9} - 7 + 6 \\ = \underline{72 - 7} + 6 \\ = \underline{65 + 6} \\ = 71\end{aligned}$$

$$\begin{aligned}(\underline{7 - 3}) \times 2 + 5 \\ = \underline{4 \times 2} + 5 \\ = \underline{8 + 5} \\ = 13\end{aligned}$$

$$\begin{aligned}10 + 9 \times (\underline{8 - 7}) \\ = 10 + \underline{9 \times 1} \\ = \underline{10 + 9} \\ = 19\end{aligned}$$

