

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{10 \div 2}) \times (5 - 4 + 9) \\ & = 5 \times (\underline{5 - 4} + 9) \\ & = 5 \times (\underline{1 + 9}) \\ & = \underline{5 \times 10} \\ & = 50 \end{aligned}$$

$$\begin{aligned} & 3 + 9 \times 4 \div (\underline{10 - 6}) \\ & = 3 + \underline{9 \times 4} \div 4 \\ & = 3 + \underline{36 \div 4} \\ & = \underline{3 + 9} \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (\underline{8 \times 10} + 4 - 9) \div 5 \\ & = (\underline{80 + 4} - 9) \div 5 \\ & = (\underline{84 - 9}) \div 5 \\ & = \underline{75 \div 5} \\ & = 15 \end{aligned}$$

$$\begin{aligned} & 6 \times (\underline{8 - 2} + 9) \div 5 \\ & = 6 \times (\underline{6 + 9}) \div 5 \\ & = \underline{6 \times 15} \div 5 \\ & = \underline{90 \div 5} \\ & = 18 \end{aligned}$$

$$\begin{aligned} & (\underline{4 \div 2}) \times 5 + 9 - 3 \\ & = \underline{2 \times 5} + 9 - 3 \\ & = \underline{10 + 9} - 3 \\ & = \underline{19 - 3} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (\underline{8 - 5}) \times (7 + 9) \div 6 \\ & = 3 \times (\underline{7 + 9}) \div 6 \\ & = \underline{3 \times 16} \div 6 \\ & = \underline{48 \div 6} \\ & = 8 \end{aligned}$$

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

$$\begin{aligned} & ((\underline{4 - 3} + 10) \times 6) \div 2 \\ & = ((\underline{1 + 10}) \times 6) \div 2 \\ & = (\underline{11 \times 6}) \div 2 \\ & = \underline{66 \div 2} \\ & = 33 \end{aligned}$$

$$\begin{aligned} & (\underline{8 \times 4} + 10) \div 3 - 5 \\ & = (\underline{32 + 10}) \div 3 - 5 \\ & = \underline{42 \div 3} - 5 \\ & = \underline{14 - 5} \\ & = 9 \end{aligned}$$

$$\begin{aligned} & (\underline{4 + 9} - 5) \times 2 \div 8 \\ & = (\underline{13 - 5}) \times 2 \div 8 \\ & = \underline{8 \times 2} \div 8 \\ & = \underline{16 \div 8} \\ & = 2 \end{aligned}$$