

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{10 - 6} + 5) \times ((3 + 7 - 9) \times 8) \\ & = (\underline{4 + 5}) \times ((3 + 7 - 9) \times 8) \\ & = 9 \times ((\underline{3 + 7} - 9) \times 8) \\ & = 9 \times ((\underline{10 - 9}) \times 8) \\ & = 9 \times (\underline{1 \times 8}) \\ & = \underline{9 \times 8} \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (\underline{6 - 5}) \times (9 + 7 - 3) \times (2 + 4) \\ & = 1 \times (\underline{9 + 7} - 3) \times (2 + 4) \\ & = 1 \times (\underline{16 - 3}) \times (2 + 4) \\ & = 1 \times 13 \times (\underline{2 + 4}) \\ & = \underline{1 \times 13} \times 6 \\ & = \underline{13 \times 6} \\ & = 78 \end{aligned}$$

$$\begin{aligned} & 9 - 3 + 5 \times ((\underline{2 + 6} - 7) \times 10) \\ & = 9 - 3 + 5 \times ((\underline{8 - 7}) \times 10) \\ & = 9 - 3 + 5 \times (\underline{1 \times 10}) \\ & = 9 - 3 + \underline{5 \times 10} \\ & = \underline{9 - 3} + 50 \\ & = \underline{6 + 50} \\ & = 56 \end{aligned}$$

$$\begin{aligned} & ((\underline{10 + 6} - 7) \times 4) \times 2 - 8 + 5 \\ & = ((\underline{16 - 7}) \times 4) \times 2 - 8 + 5 \\ & = (\underline{9 \times 4}) \times 2 - 8 + 5 \\ & = \underline{36 \times 2} - 8 + 5 \\ & = \underline{72 - 8} + 5 \\ & = \underline{64 + 5} \\ & = 69 \end{aligned}$$

$$\begin{aligned} & (2 \times (\underline{9 + 6} - 10 + 5 - 4)) \times 7 \\ & = (2 \times (\underline{15 - 10} + 5 - 4)) \times 7 \\ & = (2 \times (\underline{5 + 5} - 4)) \times 7 \\ & = (2 \times (\underline{10 - 4})) \times 7 \\ & = (\underline{2 \times 6}) \times 7 \\ & = \underline{12 \times 7} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & 7 \times ((\underline{8 + 5} - 10) \times (3 + 2 - 4)) \\ & = 7 \times ((\underline{13 - 10}) \times (3 + 2 - 4)) \\ & = 7 \times (3 \times (\underline{3 + 2} - 4)) \\ & = 7 \times (3 \times (\underline{5 - 4})) \\ & = 7 \times (\underline{3 \times 1}) \\ & = \underline{7 \times 3} \\ & = 21 \end{aligned}$$