

# Order of Operations (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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