

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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