

# Order of Operations (A)

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

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

Solve each expression using the correct order of operations.

$2 \times 6^2$

$2 \times 4 + 9$

$2 + 3 \times 8$

$2 \times (8 - 6)$

$10 - 3^2$

$3 + 2 \times 6$

$3 + 9^2$

$(9 - 5) \times 4$

$9 + 7 \times 5$

$10 + 3^3$

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Solve each expression using the correct order of operations.

$$\begin{aligned}2 \times 6^2 \\&= 2 \times 36 \\&= 72\end{aligned}$$

$$\begin{aligned}2 \times 4 + 9 \\&= 8 + 9 \\&= 17\end{aligned}$$

$$\begin{aligned}2 + 3 \times 8 \\&= 2 + 24 \\&= 26\end{aligned}$$

$$\begin{aligned}2 \times (8 - 6) \\&= 2 \times 2 \\&= 4\end{aligned}$$

$$\begin{aligned}10 - 3^2 \\&= 10 - 9 \\&= 1\end{aligned}$$

$$\begin{aligned}3 + 2 \times 6 \\&= 3 + 12 \\&= 15\end{aligned}$$

$$\begin{aligned}3 + 9^2 \\&= 3 + 81 \\&= 84\end{aligned}$$

$$\begin{aligned}(9 - 5) \times 4 \\&= 4 \times 4 \\&= 16\end{aligned}$$

$$\begin{aligned}9 + 7 \times 5 \\&= 9 + 35 \\&= 44\end{aligned}$$

$$\begin{aligned}10 + 3^3 \\&= 10 + 27 \\&= 37\end{aligned}$$

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Solve each expression using the correct order of operations.

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

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

$$(3 \times 2^2) \div (6 - 4)$$

$$3^3 \times (6 + 2 - 8)$$

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

$$(9^2 - 8 + 2) \div 5$$

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

$$(2^3 + 4) \div (9 - 6)$$

$$(6 - 2^2 + 5) \times 8$$

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

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$$\begin{aligned}2^3 \times (8 + 4 - 10) \\&= 2^3 \times (12 - 10) \\&= 2^3 \times 2 \\&= 8 \times 2 \\&= 16\end{aligned}$$

$$\begin{aligned}2 \times (3^3 - 5 + 8) \\&= 2 \times (27 - 5 + 8) \\&= 2 \times (22 + 8) \\&= 2 \times 30 \\&= 60\end{aligned}$$

$$\begin{aligned}(3 \times 2^2) \div (6 - 4) \\&= (3 \times 4) \div (6 - 4) \\&= 12 \div (6 - 4) \\&= 12 \div 2 \\&= 6\end{aligned}$$

$$\begin{aligned}3^3 \times (6 + 2 - 8) \\&= 3^3 \times (8 - 8) \\&= 3^3 \times 0 \\&= 27 \times 0 \\&= 0\end{aligned}$$

$$\begin{aligned}(3^2 - 8 + 2) \times 4 \\&= (9 - 8 + 2) \times 4 \\&= (1 + 2) \times 4 \\&= 3 \times 4 \\&= 12\end{aligned}$$

$$\begin{aligned}(9^2 - 8 + 2) \div 5 \\&= (81 - 8 + 2) \div 5 \\&= (73 + 2) \div 5 \\&= 75 \div 5 \\&= 15\end{aligned}$$

$$\begin{aligned}(3 + 5^2 - 8) \times 4 \\&= (3 + 25 - 8) \times 4 \\&= (28 - 8) \times 4 \\&= 20 \times 4 \\&= 80\end{aligned}$$

$$\begin{aligned}(2^3 + 4) \div (9 - 6) \\&= (8 + 4) \div (9 - 6) \\&= 12 \div (9 - 6) \\&= 12 \div 3 \\&= 4\end{aligned}$$

$$\begin{aligned}(6 - 2^2 + 5) \times 8 \\&= (6 - 4 + 5) \times 8 \\&= (2 + 5) \times 8 \\&= 7 \times 8 \\&= 56\end{aligned}$$

$$\begin{aligned}(2^3 + 8 - 4) \div 3 \\&= (8 + 8 - 4) \div 3 \\&= (16 - 4) \div 3 \\&= 12 \div 3 \\&= 4\end{aligned}$$

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

$$10 + 8 - 6^2 \div (3^2 \times 4)$$

$$8 \div (10 - 9)^3 \times 7 + 4^2$$

$$(10 \times (6 + 4)) \div (2^3 - 7)^2$$

$$(8 + 5^2) \times ((9 - 7)^2 \div 2)$$

$$(3 + 9) \div 6 - 2 \times 8 \div 4^2$$

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$$\begin{aligned} & (\underline{10 + 2} - 5) \times (6^2 \div (8 - 4)) \\ & = (\underline{12 - 5}) \times (6^2 \div (8 - 4)) \\ & = 7 \times (6^2 \div (\underline{8 - 4})) \\ & = 7 \times (\underline{6^2} \div 4) \\ & = 7 \times (\underline{36} \div 4) \\ & = \underline{7 \times 9} \\ & = \underline{63} \end{aligned}$$

$$\begin{aligned} & 10 + 8 - 6^2 \div (\underline{3^2} \times 4) \\ & = 10 + 8 - 6^2 \div (\underline{9 \times 4}) \\ & = 10 + 8 - \underline{6^2} \div 36 \\ & = 10 + 8 - \underline{36} \div 36 \\ & = \underline{10 + 8} - 1 \\ & = \underline{18 - 1} \\ & = \underline{17} \end{aligned}$$

$$\begin{aligned} & 8 \div (\underline{10 - 9})^3 \times 7 + 4^2 \\ & = 8 \div \underline{1^3} \times 7 + 4^2 \\ & = 8 \div 1 \times 7 + \underline{4^2} \\ & = \underline{8 \div 1} \times 7 + 16 \\ & = \underline{8 \times 7} + 16 \\ & = \underline{56 + 16} \\ & = \underline{72} \end{aligned}$$

$$\begin{aligned} & (10 \times (\underline{6 + 4})) \div (2^3 - 7)^2 \\ & = (\underline{10 \times 10}) \div (2^3 - 7)^2 \\ & = 100 \div (\underline{2^3} - 7)^2 \\ & = 100 \div (\underline{8 - 7})^2 \\ & = 100 \div \underline{1^2} \\ & = \underline{100 \div 1} \\ & = \underline{100} \end{aligned}$$

$$\begin{aligned} & (8 + \underline{5^2}) \times ((9 - 7)^2 \div 2) \\ & = (\underline{8 + 25}) \times ((9 - 7)^2 \div 2) \\ & = 33 \times ((\underline{9 - 7})^2 \div 2) \\ & = 33 \times (\underline{2^2} \div 2) \\ & = 33 \times (\underline{4} \div 2) \\ & = \underline{33 \times 2} \\ & = \underline{66} \end{aligned}$$

$$\begin{aligned} & (\underline{3 + 9}) \div 6 - 2 \times 8 \div 4^2 \\ & = 12 \div 6 - 2 \times 8 \div \underline{4^2} \\ & = \underline{12 \div 6} - 2 \times 8 \div 16 \\ & = 2 - \underline{2 \times 8} \div 16 \\ & = 2 - \underline{16} \div 16 \\ & = \underline{2 - 1} \\ & = \underline{1} \end{aligned}$$