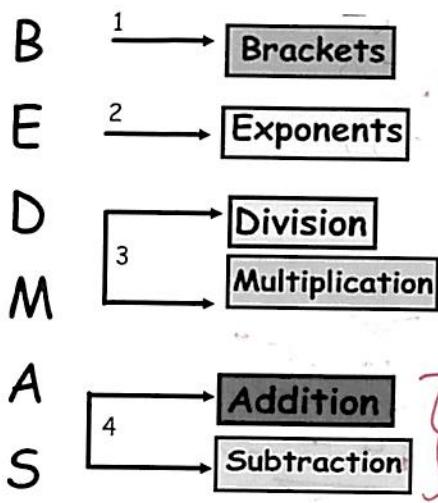


NOTES.

Order of Operations



} in the order they appear from left to right.

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Try These:

$$36 \div 9 - 8 + 21 \div 3 =$$

$\overbrace{4}^{\downarrow} - 8 + \overbrace{7}^{\downarrow}$
 $\overbrace{-4 + 7}^{\circlearrowleft}$
 $\circlearrowleft \underline{\underline{3}}$

$$(2 \times 3) + (14 \div 7) =$$

$\overbrace{6}^{\downarrow} + \overbrace{2}^{\downarrow}$
 $\circlearrowleft \underline{\underline{8}}$

$$(2 + 4)^2 + (13 + 24 \div 2) =$$

$\overbrace{6^2}^{\circlearrowleft} + (13 + \overbrace{12}^{\circlearrowleft})$
 $\overbrace{6^2 + 25}^{\circlearrowleft}$
 $\circlearrowleft \underline{\underline{61}}$

$$(-11) \cdot 8 + (-6) - (-7) =$$

$\overbrace{-88 + (-6)}^{\circlearrowleft} - (-7)$
 $\circlearrowleft \underline{\underline{-87}}$

Adding and Subtracting with Powers

a) $\underline{3^3} + \underline{2^3}$

$$\begin{array}{r} 27 \\ + 8 \\ \hline 35 \end{array}$$

$$\text{b) } 3 - \underline{2^3}$$

$$\begin{array}{r} 3 - 8 \\ \hline -5 \end{array}$$

c) $(3 + 2)^3$

53
125

d) $(2 \times 4)^2 - 5^2$

$$\begin{array}{r} \overset{\triangle}{8^2} - \overset{\triangle}{5^2} \\ \nabla \quad \nabla \\ b4 - 25 \end{array}$$

Multiplying and Dividing with Powers

$$a) [2 \times (-3)^3 - 6]^2$$

$$\begin{aligned} & [2 \times (-27) - 6]^2 \\ & [-54 - 6]^2 \\ & [-60]^2 \end{aligned}$$

$$b) \underline{(18^2 + 5^2)^0} \div (-1)^3$$

$$1 \div (-1) = -1$$