

# Evaluating Expressions

Feb 5, 2024

Expression: a combination of variables, numbers and operations.

Example:  $m+8 \Rightarrow m \text{ plus eight}$   
 $2y \Rightarrow \text{Two times } y$   
 $\frac{a}{2} \Rightarrow a \text{ divided by two}$   
 $5+3$

Variable: a letter that represents a number (that number can change "varying")

## How to Evaluate Expressions.

- 1) Substitute into your equation with brackets  
 $\rightarrow$  Replace the variable with a number
- 2) Solve with BEDMAS

Example: Evaluate the following expressions at  $a=2$  and  $b=3$ .

$$\begin{aligned} & a+4 \\ &= (2)+4 \\ &= 6 \end{aligned}$$

$$\begin{aligned} & 12b \\ &= 12(3) \\ &= 36 \end{aligned}$$

$$\begin{aligned} \text{Try: } & b-a \\ &= (3)-(2) \\ &= 1 \end{aligned}$$

$$\begin{aligned} \text{Try: } & 3+ab \\ &= 3+(2)(3) \\ &= 3+6 \\ &= 9 \end{aligned}$$