

<b>WRITING EXPRESSIONS</b>	
<p>ADD</p> <p>Sum Increase</p> <p>plus</p> <p>more than</p> <p>together</p>	<p>SUBTRACT</p> <p>Difference</p> <p>Decrease</p> <p>Less</p> <p>minus</p>
<p>MULTIPLY</p> <p>times</p> <p>Product</p> <p>Twice (<math>\times 2</math>)</p>	<p>DIVIDE</p> <p>Quotient</p> <p>Split Equally</p>

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<b>EXAMPLES</b>		
<p>1. The quotient of <math>x</math> and 23.</p> $\frac{x}{23}$	<p>2. The product of 5 squared and <math>y</math>.</p> $5^2 \cdot y$	<p>3. <math>n - 14</math></p> <p>A number "n" minus 14.</p>

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### EVALUATING EXPRESSIONS

**EXPRESSION:** Collection of Variables, constants, and operations

**Ex.**  $2x + 7(9 + 9)$


**EXPONENT:** Number above constant/variable that indicates self-multiplication.

**Ex.**  $x^2$


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### EXAMPLES

1.  
 $y + 9 - x$ ; use  $x = 1$ , and  $y = 3$

$3 + 9 - 1$   
PEMDAS  
 $12 - 1$   


2.  
 $y^2 - x$ ; use  $x = 7$ , and  $y = 7$

$(7)^2 - 7$   
PEMDAS  
 $49 - 7$   


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**EXAMPLES**

**3.**

$(a^2 - b) \div 6$ ; use  $a = 5$ , and  $b = 1$

$$(5^2 - 1) \div 6$$

$$(25 - 1) \div 6$$

$$24 \div 6$$

$$\boxed{4}$$

**4.**

$p^3 + 10 + m$ ; use  $m = 9$ , and  $p = 3$

$$(3)^3 + 10 + 9$$

$$\begin{array}{c} \uparrow \\ 3 \cdot 3 \cdot 3 \\ \downarrow \\ 9 \end{array}$$

$$27 + 10 + 9$$

$$37 + 9 = \boxed{46}$$

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