

Section 2.5

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<b>5 + 7</b>	<b>5 - 7</b>	<b>5 x 7</b>	<b>5 ÷ 7</b>
<b>Sum</b>	<b>Difference</b>	<b>Product</b>	<b>Quotient</b>
<b>Plus</b>	<b>Minus</b>	<b>Times</b>	<b>Divided by</b>
<b>Increased by</b>	<b>Less</b>	<b>Multiplied by</b>	<b>Divided into</b>
<b>Add to</b>	<b>Decreased by</b>		
<b>More than</b>	<b>Less than</b>		
	<b>Subtract, from</b>		

**Example 1** – The sum of x squared and y squared

**Example 2** – The product of 2, x, and y

**Example 3** – Two times the quantity x plus y

**Example 4** – Three less than x

**Example 5** – The sum of two times  $x$  and three times  $y$

**Example 6** – The sum of the squares of  $a$  and  $b$

**Example 7** – Five times  $x$  divided by  $y$

**Example 8** – Two more than the square of  $x$

**Example 9** – Three less than the cube of  $b$

**Example 10** – Five less than the product of  $x$  and  $y$

**Example 11** – Nine minus the product of  $x$  and  $y$

**Example 12** – Four times the sum of  $x$  and 2

**Example 13** – Six times the quantity of  $w$  minus 4

**Example 14** – The sum of two numbers is 83, and one of the numbers is  $x$ . What is the other number?

**Example 15** – The difference of two numbers is 14. The smaller number is  $n$ . What is the larger number?

**Example 16** – The product of two numbers is 39, and one of the numbers is  $y$ . Represent the other number.

**Example 17** – Arlene can type 70 words per minute. How many words can she type in  $m$  minutes?

**Example 18** – Lynn has  $n$  nickels and  $d$  dimes. Express, in cents, this amount of money.

**Example 19** – A train travels at the rate of  $r$  miles per hour. How far will it travel in 8 hours?

**Example 20** – The cost of a 5-pound box of candy is  $d$  dollars. How much is the cost per pound for the candy?

**Example 21** – The distance between two cities is  $k$  kilometers. Express this distance in meters.

**Example 22** – The length of a line segment is  $i$  inches. Express that length in yards.