

### Prealgebra ~ Lesson 3

Work the following examples as you listen to the recorded lecture.

#### Translation

Addition	Subtraction	Multiplication	Division	Equal Sign
	<b>Order matters</b>		<b>Order matters</b>	
sum	difference	product	quotient	equals
plus	minus	times	divided by	gives
added to	less	multiply	into	is/was/will be
more than	decreased by	twice	per	results in
increased by	<b>Translates Backwards</b>	of		amounts to
total	subtracted from	double		yields
	less than			is equal to
<p>Note: use parentheses when 2 operations are stated together, indicating that something is to be done to an entire quantity.</p> <p>Example: <b>Twice</b> the <b>sum</b> of a number and 2 would translate into <b><math>2(x + 2)</math></b> .</p>				

Translate and solve the following word problems:

Example 1: Find the sum of 802 and 6487.

Example 2: Find the difference of 16 and 5.

Example 3: What is 712 increased by 38?

Example 4: Find 25 less 12.

Example 5: Find 86 subtracted from 90.