

Prealgebra ~ Lesson 3

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

Translation

Addition	Subtraction	Multiplication	Division	Equal Sign
	Order matters		Order matters	
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	Translates Backwards	of		amounts to
total	subtracted from	double		yields
	less than			is equal to

Note: use parentheses when 2 operations are stated together, indicating that something is to be done to an entire quantity.

Example: **Twice** the **sum** of a number and 2 would translate into **$2(x + 2)$** .

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.