Expressions and Equations

Translate Expressions and Write Equations

By the end of this lesson you will be able to _____.

List three words that represent each of the four math operations.

    1) Addition _____   _____   _____

    2) Subtraction _____   _____   _____

    3) Multiplication _____   _____   _____

    4) Division _____   _____   _____

Example 1 – Seven more than some number is equal to nine. What is the number?

                    What do I need to do?

                    1. _____

_____   2. _____

_____   3. _____

_____   4. _____

Example 2 – The length of a rectangle is twice as long as the width. The perimeter of the rectangle is equal to 36 meters. What are the dimensions of the rectangle?

                    What do I need to do?

                    1. _____

_____   2. _____

_____   3. _____

_____   4. _____

_____   5. _____

Example 3 – Set up an equation with variables on both sides

Sam and Richard are the same age. Sam is five times Jessica's age. Richard is twelve years older than Jessica's age. How old are Sam, Richard, and Jessica?

What do I need to do?

_____

_____

_____

_____

1. _____

2. _____

3. _____

4. _____

5. _____

SHOWTIME – You Try!

Read each problem carefully and create an equation in order help you solve each problem.

1) Five times some number is the same as sixteen more than the same number. What is the number?

2) The perimeter of a square is 48 cm. What is the length of each side?

3) Joseph is four years older than Mel. Rob is twice as old as Joseph. Rob and Mel are twins. How old are each of the boys?