<u>Word Translation Worksheet</u>

The purpose of this worksheet is to practice turning English phrases into mathematical sentences. First we will make a brief dictionary in which we will try to write as many words as possible.

Words in English that mean;

Addition	Subtraction	Multiplication	Division

Let's try translating

1. Let x represent a number, then ;

    a) the number plus five is _____

    b) twice the number is _____

    c) three more than the number is _____

    d) five times the number is _____

    e) the next consecutive number is _____

    f) a number three less than the number is _____

2. Suppose you have d dimes and q quarters. Find the value, in cents, of each of the following;

    a) 5 dimes _____   b) 7 quarters _____

    c) d dimes _____   d) q quarters _____

3. Suppose you had 13 coins, either dimes or quarters. Let d represent the number of dimes. Then;

    a) find the number of quarters _____

    b) find the value of the d dimes _____

    c) find the value of the quarters _____

    d) find the total value of the coins _____

4. A triangle has a perimeter of 30 cm. Let the length of the smallest side be represented by the letter s. The next largest side is twice as large as the smallest side. The largest side is 10 cm longer than the shortest side. Using s, write a statement to represent;

    a) the shortest side _____   b) the middle sized length _____

    c) the largest side._____

    d) Write an equation relating the three sides.

5. Each week for school lunches you are given $20 in Loonies and Twoonies. You know that you have twice as many Twoonies as Loonies. Let L represent the number of Loonies that you have. Using L write a statement to represent

    a) the number of Twoonies that you have _____

    b) the value , in dollars, of your Loonies _____

    c) the value, in dollars , of your Twoonies _____

    d) the total value of your Loonies and Twoonies _____

    e) Write an equation to describe the relationship between your Loonies
        Twoonies. and their value.

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