

In this section we will look at some type of word problems. In order to solve these word problems it is necessary to be able to translate verbal conditions into an algebraic expression. The following is a list of common English phrases.

ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION	EQUALITY, =
more than	the difference of	times	divided by	is
the sum of	less than	the product of	the quotient of	results in
plus	decreased by	twice	the ratio of	yields
increased by	Fewer than	Of	Reciprocal of	

Write an expression(s) or an equation for the following:

- a.) Twice a number plus five.
- b.) Three less than a number.
- c.) The difference of twice a number and five is the number.
- d.) The quotient of a number less than two and four.
- e.) Seven times the sum of a number and 24.
- f.) The quotient of 9 and a number, decreased by 4 times the number.
- g.) Three consecutive odd integers.

EXAMPLE: Four less than 6 times a number is 68. Find the number.

EXAMPLE: Five more than four times a number is that number increased by 35. Find the number.

EXAMPLE: Find three consecutive odd integers whose sum is 51.