

<b>Addition</b> (+)	<b>Subtraction</b> (-)	<b>Multiplication</b> (.)	<b>Division</b> (÷)	<b>Equality</b> (=)
sum	difference of	product	quotient	equals
plus	minus	times	divide	is equal to
added to	subtracted from	multiply	into	gives
more than	less than	twice	ratio	is/was/should be
increased by	decreased by	of	divided by	yields
total	less			amounts to
				represents
				is the same as

1. Write an algebraic expression that represents each phrase. Let the variable  $x$  represent the unknown number.
  - a. The product of a number and 5
  - b. A number added to 7
  - c. Three times a number
  - d. A number subtracted from 8
  - e. Twice a number, plus 1
2. Let  $n$  represent the unknown number. Translate each statement into an algebraic expression.
  - a. The sum of 5 and a number.
  - b. 3 more than a number.
  - c. The quotient of a number and 3.
  - d. Eight less than twice a number.
  - e. The sum of two numbers is four less than their product. (Use  $x$  and  $y$  for the numbers.)