

Translating Word Sentences to Equations

Addition

Words	Math Expression
the sum of x and 4	$x + 4$
x plus y	$x + y$
3 added to n	$n + 3$
2 more than a number	$n + 2$
t increased by 10	$t + 10$

Subtraction

Words	Math Expression
the difference of x and 4	$x - 4$
x minus y	$x - y$
3 subtracted from n	$n - 3$
2 less than a number	$n - 2$
t decreased by 10	$t - 10$

Multiplication

Words	Math Expression
the product of 4 and x	$4x$
7 times y	$7y$
5 multiplied by n	$5n$
twice a number	$2n$
triple the number	$3n$

Equal Sign

Here are some words to look for that might indicate an equal sign:

is equal to

is the same as

is

produces

yields

results in

Ex 1.

Translate to an equation, then solve:

Twelve less than a number is negative eight.

Ex 2.

Translate to an equation, then solve:

The difference of four times t and three yields negative seven.

Ex 3.

Translate to an equation, then solve:

Negative six times the sum of y and three is equal to forty subtracted from five times y .