

# Conjuring up Expressions

In math, an expression is a sentence containing numbers and operations.  
A variable is a letter that represents an unknown number in an expression.

Examples of expressions:

$4x$

$8+7$

$10y+3(y-2)$

$16-5$

$\frac{62}{h}$

$a-37$

\*When a variable is next to a number, it means multiply. So  $3x$  means 3 multiplied by  $x$ .

Read the sentences below and write an expression.

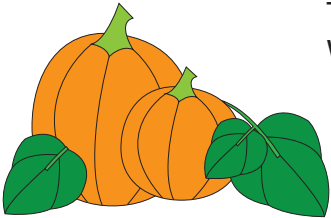


There are 17 bats flying through the haunted house. There are  $x$  times more bats in the caves behind the house. Write the multiplication expression for the number of bats in the caves.

The number of bats in the house is 17

Times  $x$

The multiplication expression is  $17x$



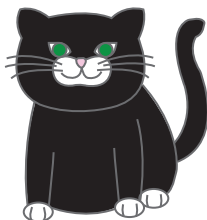
There are 64 pumpkins in the patch. They are divided into  $y$  equal groups. Write the division expression for the number of pumpkins in each group.



A witch's broomstick is 4 feet long. Belinda made hers  $m$  times longer to be able to carry more witches with her. Write the multiplication expression for the length of Belinda's broomstick.



Cara made 52 ounces of witches brew in her largest cauldron. She divided it equally into  $p$  number of cups. Write the division expression for the number of ounces in each cup.



Tabitha has  $z$  black cats. Mark has 3 times as many. Write the multiplication expression for the number of cats Mark has.