Writing Expressions
With Variables #2

An expression in math is a sentence containing numbers and the operations. Below are examples of expressions:

$2+ 3$ $17 - 16 + 2$ $\dfrac{2}{5}x$

6 $(3x) - (6x + 2)$ $y - 20$

A variable is a letter (*x, y, t,* etc.) that represents the unknown number in an expression or equation. When a variable is next to a number, it means multiply. For example: $4t = 12$ means 4 multiplied by *t* equals 12.

Read the sentences below and write an expression. See the example below.

There are *y* letters in the bag. They are divided into 4 equal groups. Write an expression of the letters after dividing.

Number of letters is *y*
Divided into 4

The expression of division is $\dfrac{y}{4}$

There are 20 people in the room. They are divided into *m* equal groups. Write the division expression of the number of people in each group.

Ashley has 25 flowers. The number of flowers Sam has is *z* times more than what Ashley has. Write a multiplication expression of flowers that Sam has.

A piece of wood is 20 feet long. It was cut into *k* equal pieces to make a track. Write a division expression of the length of each piece of wood.

Mary has *p* handbags. Lynn has 2 times more than Mary. Write the multiplication expression of the handbags that Lynn has.