

Writing Expressions With Variables #2

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

$$2 + 3$$

$$17 - 16 + 2$$

$$\frac{2}{5}x$$

$$6$$

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

$$y - 20$$

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.

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 $\frac{y}{4}$

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.



$$\frac{20}{m}$$

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.



$$25 \times z$$

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.



$$\frac{20}{k}$$

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



$$p \times 2$$