

Making Expression

In algebra we use letters for numbers. These letters are for unknown quantity.
The cost of 1 sweet is 15p , find the cost of m sweets.

Here ,

1 sweet cost 15 p,

2 sweets cost $2 \times 15p = 30 p$

5 sweets cost $5 \times 15p = 75 p$ similarly

m sweets cost $m \times 15p = 15x p$

(here m is the variable we can use any whole number to find the cost of sweets)

Exercise:

1) Write the formula.

a. The cost of 1 pen is 'x'. Write the expression for 20 pens.

= _____

b. There are 'p' chocolates in the box . How many chocolates are there in 50 box.

= _____

Here is some information about three people.

Joe is n years old.

Kate is twice the age of Joe.

Harry is 8 year older than Kate. Write the expression for the age of.

2) Joe: _____ 3) Kate: _____ 4) Harry: _____

Write the expression for the following statements.

5) Add 8 to 'x': _____ 6) Subtract 3 from 'x': _____

7) Multiply 'x' by 5: _____ 8) Divide 'x' by 7: _____

9) Multiply 'x' by itself: _____

10) A pencil costs m pence.

A pen costs n pence.

Write each statement with the correct expression for the amount in pence.

a) The total cost of 7 pencils _____

b) The total cost of 3 pencils and 5 pens _____

c) How much more 8 pens cost than 5 pencils _____

d) The change from £3, in pence, when you buy 5 pens _____

e) The cost of 7 pens and 1 pencil. _____