

Algebraic Notation: Multiplying

1

number first, no $\times$ sign

Write the area using algebraic notation.

4

n

Area =

4

 $\times$

n

Area =

2

Write the area using algebraic notation.

5

x

Area =

5

 $\times$

x

Area =

3

Write the area using algebraic notation.

7

y

Area =

7

 $\times$

y

Area =

4

Write the area using algebraic notation.

a

3

Area =

a

 $\times$

3

Area =

5

Notice the change!

Write the area using algebraic notation.

a

b

Area = $\times$

Area =

6

Write the area using algebraic notation.

n

n

Area = $\times$

Area =

7

Pens cost p pence each.
Write an expression for the cost of 6 pens.

Answer

8

A square has sides of length n .
Write an expression for its perimeter and one for its area.

Answer

Algebraic Notation: Multiplying further practice

9

Write each one using algebraic notation.

$7 \times m$

$c \times d$

$k \times k$

10

Simplify. Write the number first and the letters in alphabetical order.

$2 \times a \times b$

$y \times 4 \times x$

$3 \times n \times n$

11

Which two of these mean the same as $4m$?

$4 + m$

$m + m + m + m$

$4 \times m$

$m \times m \times m \times m$

Answer

12

Write the area of the rectangle using algebraic notation.

3

$2a$

Area

13

A car park has 3 floors. Each floor has r rows of spaces. Each row has c spaces. Write an expression for the number of spaces in the car park.

Answer

14

A cube has edges of length y cm.
Write an expression for its volume, as simply as possible.

y cm

Volume

15

The area of this rectangle is $12xy$.
Find the missing length.

Area = $12xy$

$3x$

Answer

16

Ali says $2a \times 3a = 6a$.
Is Ali right? Explain.

Answer