

In these questions you will turn a situation into a word formula and then an algebra expression.

1. (a) Read the situation.

A hotel buys 5 packets of bed sheets.

Each packet contains b bed sheets.

Write an expression, in terms of b , for the total number of bed sheets bought.

- (b) Complete these:

THING: CONTAINER:

- (c) Complete the word formula with the correct words.

Total number of THINGs	=	Number of CONTAINERs	×	Number of THINGs in one CONTAINER
Total number of	=	Number of	×	Number of in one

algebra expression is ×

- (d) Complete the algebra expression (above) with the correct letters or numbers.

- (e) Simplify the algebra expression and write it on the answer line.

2. (a) Read the situation.

A languages teacher buys 8 boxes of French dictionaries.

There are d French dictionaries in a box.

Write an expression, in terms of d , for the total number of French dictionaries bought.

- (b) Complete these:

THING: CONTAINER:

- (c) Complete the word formula with the correct words.

Total number of THINGs	=	Number of CONTAINERs	×	Number of THINGs in one CONTAINER
Total number of	=	Number of	×	Number of in one

algebra expression is ×

- (d) Complete the algebra expression (above) with the correct letters or numbers.

- (e) Simplify the algebra expression and write it on the answer line.

In these questions you will turn a situation into a word formula and then an algebra formula.

3. (a) Read the situation.

A baker cuts 3 carrot cakes into slices.

She cuts each cake into c slices.

She make a total of T slices.

(b) Complete these:

THING: CONTAINER:

(c) Complete the word formula with the correct words.

Total number of THINGS	=	Number of CONTAINERS	×	Number of THINGS in one CONTAINER
Total number of	=	Number of	×	Number of in one

algebra formula: = ×

(d) Complete the algebra formula (above) with the correct letters or numbers.

(e) Simplify the algebra formula and write it on the answer line.

4. (a) Read the situation.

A hotel buys p packets of pillow cases.

There are 14 pillow cases in a packet.

The hotel buys a total of T pillow cases.

(b) Complete these:

THING: CONTAINER:

(c) Complete the word formula with the correct words.

Total number of THINGS	=	Number of CONTAINERS	×	Number of THINGS in one CONTAINER
Total number of	=	Number of	×	Number of in one

algebra formula: = ×

(d) Complete the algebra formula (above) with the correct letters or numbers.

(e) Simplify the algebra formula and write it on the answer line.