

1. (a) A multipack contains b packs of barbecue flavour crisps, and c packs of cheese and onion flavour crisps.
Write down an expression for the total number of packs of crisps in the multipack.
- (b) A multipack contains b packs of barbecue flavour crisps, c packs of cheese and onion flavour crisps and r packs of ready salted crisps.
Write down an expression for the total number of packs of crisps in the multipack.
2. (a) A hotel buys some towels.
They buy 7 packets of hand towels.

Each packet contains h hand towels.
They buy a total of T hand towels.

Write a formula for T , in terms of h .
- (b) A hotel buys some towels.
They buy h packets of hand towels.

Each packet contains 6 hand towels.
They buy a total of T hand towels.

Write a formula for T , in terms of h .
- (c) A hotel buys some towels.
They buy h packets of hand towels.

Each packet contains 6 hand towels.

Write an expression, in terms of h , for the total number of hand towels the hotel buys.
- (d) A hotel buys some towels.
They buy 7 packets of hand towels.

Each packet contains h hand towels.

Write an expression, in terms of h , for the total number of hand towels the hotel buys.
3. (a) The catering manager has n packets of apples.
There are 6 apples in a packet.

(i) Write down an expression, in terms of n , for the total number of apples the catering manager has.

11 of the apples are used to make up packed lunches for a school trip.

(ii) Write down an expression, in terms of n , for the number of apples the catering manager has now.

(b) Layla has written 3 numbers on a piece of paper.

She says “The first number is n ”

She says “The second number is 4 times the first number”

(i) Write down an expression, in terms of n , for Layla’s second number.

She says “The third number is 6 less than the second number”

(ii) Write down an expression, in terms of n , for Layla’s third number.

4. (a) A hotel buys some glasses.

They buy m packets of wine glasses.

They buy n packets of water glasses.

Each packet of wine glasses contains 4 glasses.

Each packet of water glasses contains 6 glasses.

They buy a total of T glasses.

Write a formula for T , in terms of m and n .

(b) A hotel buys some glasses.

They buy 3 packets of wine glasses.

They buy 4 packets of water glasses.

Each packet of wine glasses contains m glasses.

Each packet of water glasses contains n glasses.

They buy a total of T glasses.

Write a formula for T , in terms of m and n .

(c) A hotel buys some glasses.

They buy 3 packets of wine glasses.

They buy 4 packets of water glasses.

Each packet of wine glasses contains m glasses.

Each packet of water glasses contains n glasses.

They buy a total of T glasses.

Write an expression, in terms of m and n , for the total number of glasses the hotel buys.

(d) {as part (a) but the instruction line says ...}

Write an expression, in terms of m and n , for the total number of glasses the hotel buys.