1 Whitney buys 6 cans of lemonade for £3

   a) How much do 12 cans cost?

   b) How much do 3 cans cost?

   c) How much do 15 cans cost?

POP! POP! POP!
£3
POP! POP! POP!

2 The ratio of red to green grapes in a bowl is 3 : 1

   a) Explain what this means.

   b) There are 12 more red grapes than green grapes.

      What is the total number of grapes in the bowl?

3 Amir is making some chocolate chip biscuits.

   He has this list of ingredients to make 6 biscuits.

   a) How much of each ingredient does Amir need to make 2 biscuits?

   b) How much of each ingredient does Amir need to make 10 biscuits?

   c) Amir has 240 g of chocolate chips.

      What is the maximum number of biscuits he can make?

> **Chocolate chip biscuits** (makes 6)
>
> 120 g butter
> 72 g sugar
> 180 g plain flour
> 60 g chocolate chips

4 Dexter has some 20p and 50p coins in a jar.

   For every three 20p coins he has one 50p coin.

   There are 12 coins in the jar in total.

   How much money is in the jar?

5 A drink is made using 3 parts orange juice to 2 parts lemonade.

   Esther makes 1.2 litres of this drink.

   How much orange juice does she need?

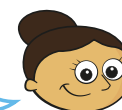**6** Two shops sell the same cereal but in different-sized boxes.

Shop A 500 g of cornflakes £2.10	**Shop B** 750 g of cornflakes £3.30

   Which shop is better value for money?

   Explain why.

7 Dora draws two similar rectangles.

> My larger rectangle is 4 times the size of the smaller one.

> The perimeter of the larger rectangle is 48 cm.

   The length and width of both rectangles are even numbers.

   What is the largest possible area for the small rectangle?

8 Aisha has two boxes of sweets.

- In the first box, the ratio of red sweets to green sweets is 3 : 1
- In the second box, for every 2 orange sweets there are 3 yellow sweets.
- There is the same number of sweets in each box.
- There are 12 yellow sweets in the second box.

   How many sweets are in the first box?