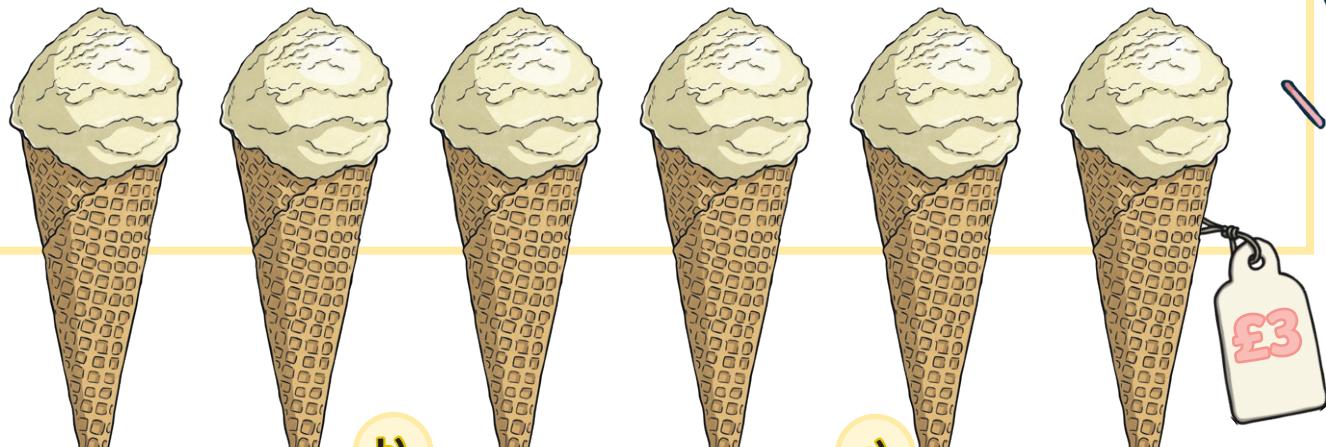


Ratio and Proportion

1)

Tom buys 6 ice creams for £3.



a)

How much do 3 ice creams cost?

b)

How much for 12 ice creams?

c)

What would the total for 15 ice creams cost?

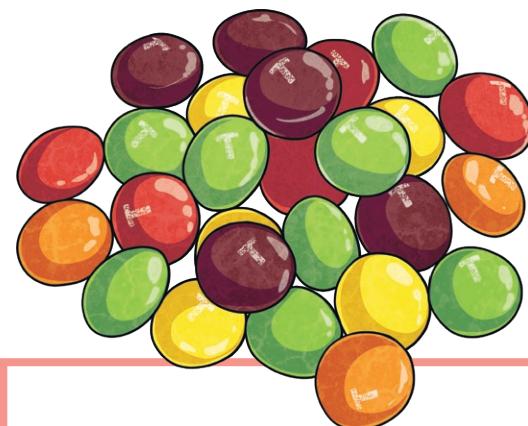
2)

Erin has two boxes of sweets.

There is the same number of sweets in each box.

In the second box, for every two pink sweets there are three black sweets.

There are 12 black sweets in the second box.



How many sweets are there in total?

_____ sweets



Ratio and Proportion

3)

Holly wants to make a jug of juice for a party. The drink is made using six parts apple juice and four parts lemonade.

Holly makes 1.2 litres of this drink.



How much apple juice does she need?

_____ ml

4)

The ratio of blue and yellow cars on the street is 3:1.



a)

Explain what that means.

b)

There are 12 more blue cars than yellow cars on the street.

What is the total number of yellow cars on the street?

_____ yellow cars



Ratio and Proportion

5)

Two shops sell the same chocolate but in different-sized packaging.



Which shop is better value for money?

Shop _____

Callum

The larger rectangle has sides that are 3 times longer than the length and width of the smaller rectangle.

6)

Callum draws two similar rectangles.

The perimeter of the larger rectangle is 36cm.

What is the largest possible area for the small rectangle?

_____ cm^2

The length and width of both rectangles are even numbers.



Ratio and Proportion

7)

Maisie is cooking some chocolate chip muffins for her friends and family. She has the list of some ingredients to make 6 chocolate chip muffins.



Ingredients

300g self-raising flour
60g butter
72g caster sugar
66g chocolate chips

a)

How much of each ingredient does Maisie need to make 3 muffins?

self-raising flour _____ g

butter _____ g

caster sugar _____ g

chocolate chips _____ g

b)

How much of each ingredient does Maisie need to make 10 muffins?

self-raising flour _____ g

butter _____ g

caster sugar _____ g

chocolate chips _____ g

c)

Maisie has 198g of chocolate chips.

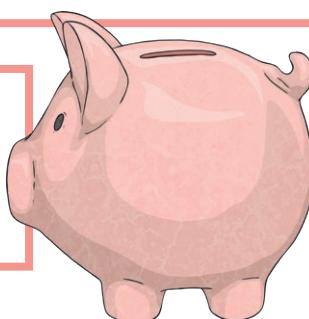
What is the maximum number of muffins she can make?

_____ muffins

8)

Imran has emptied his piggy bank. He has some 10p and 50p coins. For every three 10p coins he has, he has one 50p coin. There are 12 coins in the jar in total.

How much money is in the jar?



Ratio and Proportion Answers

- 1) a) **£1.50**
b) **£6.00**
c) **£7.50**

2) **40** sweets

3) **720ml**

4) a) **Answers will vary. For example:**

For every three blue cars, there is one yellow car.

- b) **6** yellow cars

5) **Shop A**

6) **8cm²**

7) a) self-raising flour **150g**, butter **30g**, caster sugar **36g**, chocolate chips **33g**

b) self-raising flour **500g**, butter **100g**, caster sugar **120g**, chocolate chips **110g**

- c) **18** muffins

8) **£2.40**



visit [twinkl.com](https://www.twinkl.com)

