

Disclaimer/s

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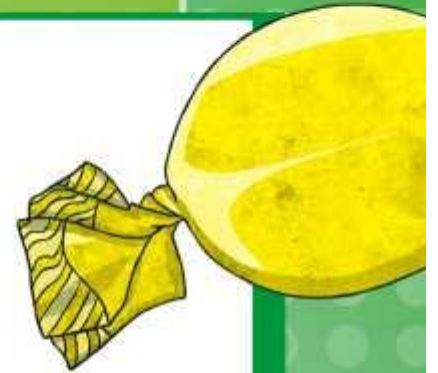
Animations

This resource has been designed with animations to make it as fun and engaging as possible. To view the content in the correct formatting, please view the PowerPoint in 'slide show mode'. This takes you from desktop to presentation mode. If you view the slides out of 'slide show mode', you may find that some of the text and images overlap each other and/or are difficult to read.

To enter slide show mode, go to the **slide show menu tab** and select either **from beginning** or **from current slide**.

You may wish to delete this slide before beginning the presentation.

Ratio and Proportion



Ratio and Proportion



Billy buys 12 lollies for £6.



How much do 6 lollies cost? **£3.00**

How much for 24 lollies? **£12.00**

What would be the total cost for 30 lollies? **£15.00**

Ratio and Proportion



Ruth has two boxes of sweets.

In the first box, the ratio of purple and yellow sweets is 3:1.



In the second box, for every two pink sweets there are three black sweets. (2:3)



There is the same number of sweets in each box.

There are 12 black sweets in the second box.

How many sweets are there in total?

40 sweets

Ratio and Proportion

Sam wants to make some juice for a birthday party. The drink is made using twelve parts orange juice and eight parts lemonade.

Sam makes 2.4 litres of this drink.

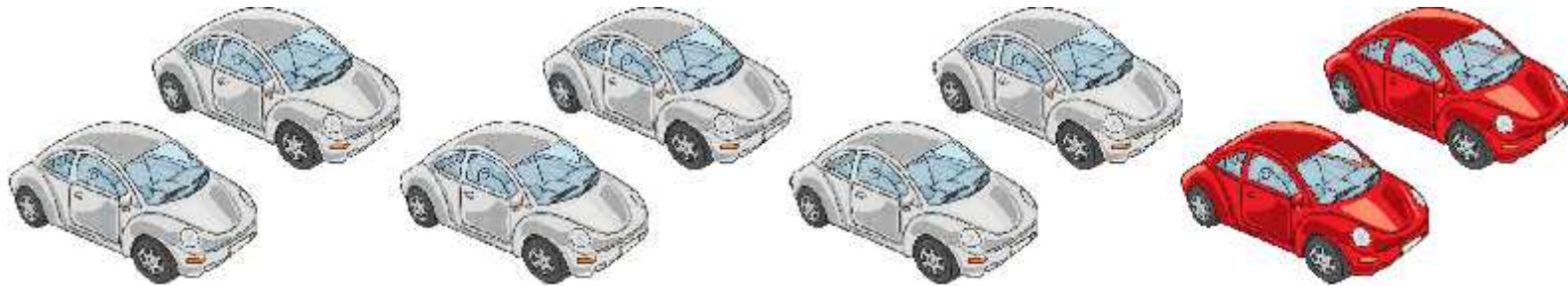


How much orange juice does she need?

1440ml or 1.44 L

Ratio and Proportion

The ratio of silver and red cars in the car park is 6:2.



What does this mean?

If there are 16 more silver cars than red cars in the car park, what is the total number of red cars in the car park?

8 red cars

Ratio and Proportion

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



Shop A	Shop B
100g chocolate bar £4.20	150g chocolate bar £6.60



Which shop is better value for money?

Shop A

Ratio and Proportion

Callum draws two similar quadrilaterals.



My larger quadrilateral has sides that are 3 times the lengths of the smaller one. (3:1)

The perimeter of the larger quadrilateral is 36cm.

The length and width of both quadrilaterals are even numbers.

What is the largest possible area for the small rectangle?

8cm²

Ratio and Proportion

Laura is cooking some chocolate chip muffins for her friends and family.

She has the list of some ingredients to make 6 chocolate chip muffins:



6 muffins

300g self raising flour

60g butter

72g caster sugar

66g chocolate chips

3 muffins

150g

30g

36g

33g

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

Ratio and Proportion

Laura is cooking some chocolate chip muffins for her friends and family.

She has the list of some ingredients to make 6 chocolate chip muffins:



6 muffins

300g self raising flour

60g butter

72g caster sugar

66g chocolate chips

10 muffins

500g

100g

120g

110g

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

Ratio and Proportion

Laura is cooking some chocolate chip muffins for her friends and family.

She has the list of some ingredients to make 6 chocolate chip muffins:



300g self raising flour

60g butter

72g caster sugar

66g chocolate chips

Laura has 198g of white chocolate chips.

What is the maximum number of muffins she can make?

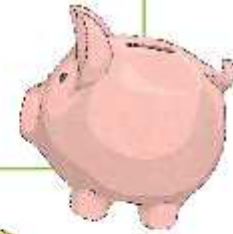
18 muffins

Ratio and Proportion

Liam has emptied his piggy bank. He has some 20p and £1 coins.

For every three 20p coins he has, he has one £1 coin.

There are 12 coins in the jar in total.



How much money is in the jar?

£4.80

