

Ratio - Using Bar Models



Section A

Recognising Bar Models

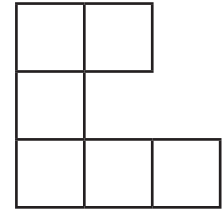
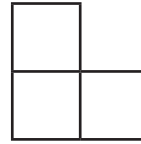
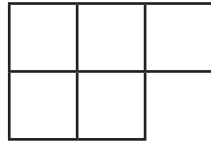
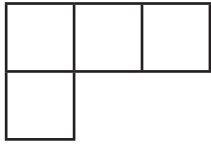
For each ratio, choose the bar model that could be used with it.

3:1

1:2

2:1:3

3:2



Section B

Dividing an amount into a given ratio

Use the bar models to answer the questions, add any missing labels.

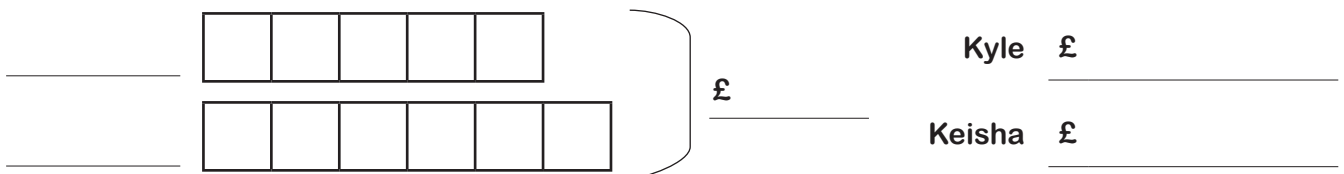
- 1) Hayley and Tom share £160 in the ratio 5:3. How much does each person receive?



- 2) Lewis and Ruby share £95 in the ratio 2:3. How much does each person receive?



- 3) Kyle and Keisha share £66 in the ratio 5:6. How much money does each person receive?



- 4) Construct and label your own bar model to answer this question.
Ayah and Saira share £120 in the ratio 3:2. How much money does each person receive?

Ayah £ _____

Saira £ _____

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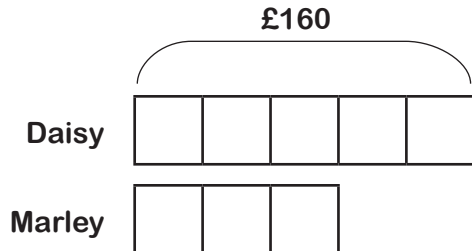


Section C

When one amount is known

Use the bar models to answer the questions, add any missing labels.

- 1) Daisy and Marley share some money in the ratio 5:3. Daisy receives £160. How much money does Marley get?

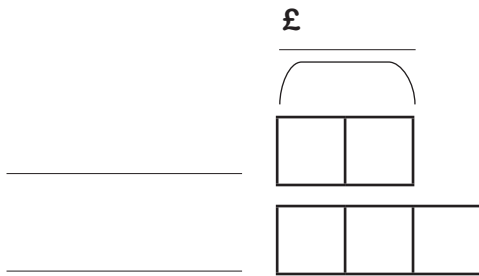


Daisy £ 160

Marley £ _____

How much money did they share in total?

- 2) Syed and Esme share some money in the ratio 2:3. Syed has £90. How much money does Esme have?



Syed £ 90

Esme £ _____

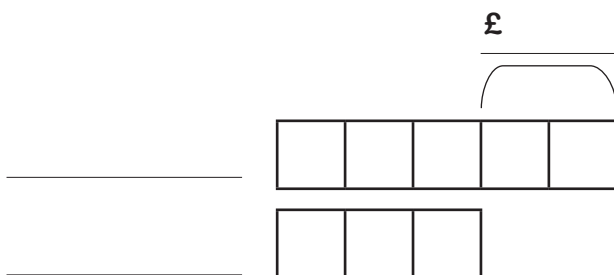
How much money did they share in total?

Section D

When the difference is known

Use the bar models to answer the questions, add any missing labels.

- 1) Shirley and Douglas share some money in the ratio 5:3. Shirley has £160 more than Douglas. How much money does each person receive?



Shirley £ _____

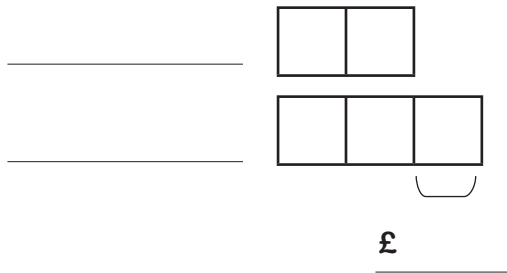
Douglas £ _____

How much money did they share in total?

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- 2) Otto and Millie share some money in the ratio 2:3. Millie receives £90 more. How much does each person receive?



Otto £ _____

Millie £ _____

Section E Now construct and label your own bar models in order to answer each question.

- 1) The ratio of white chocolates to milk chocolates in a box is 2:5. The box contains 8 white chocolates. How many milk chocolates are in the box?
- 2) The ratio of white chocolates to milk chocolates in a box is 2:5. The box contains 21 chocolates. How many milk chocolates are in the box?
- 3) The ratio of white chocolates to milk chocolates in a box is 2:5. The box contains 6 more milk chocolates than white chocolates. How many chocolates are there in total in the box?