

Ratio - Using Bar Models

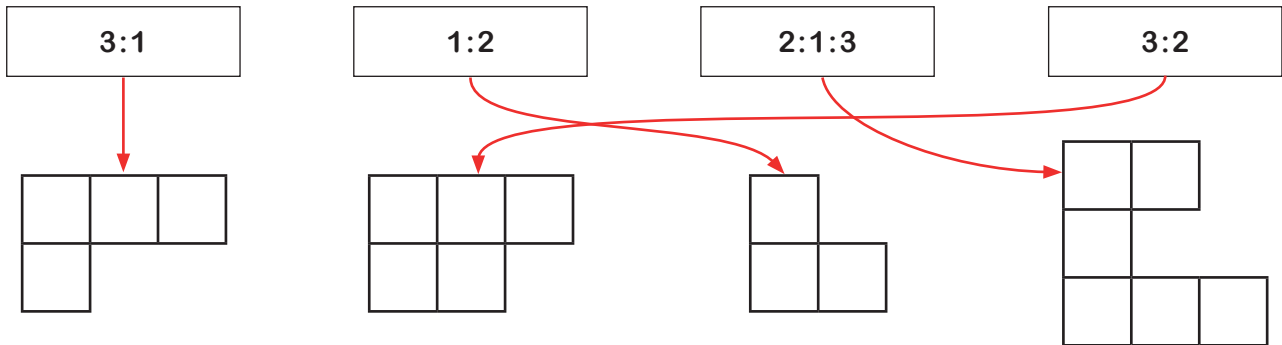
ANSWERS



Section A

Recognising Bar Models

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



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?



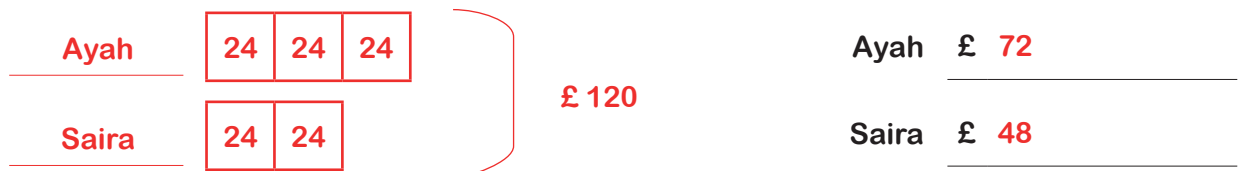
- 2) Lewis and Ruby share £95 in the ratio 2:3. How much does each person receive?



- 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?



Ratio - Using Bar Models

ANSWERS



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?



How much money did they share in total? $\text{£ } 256$

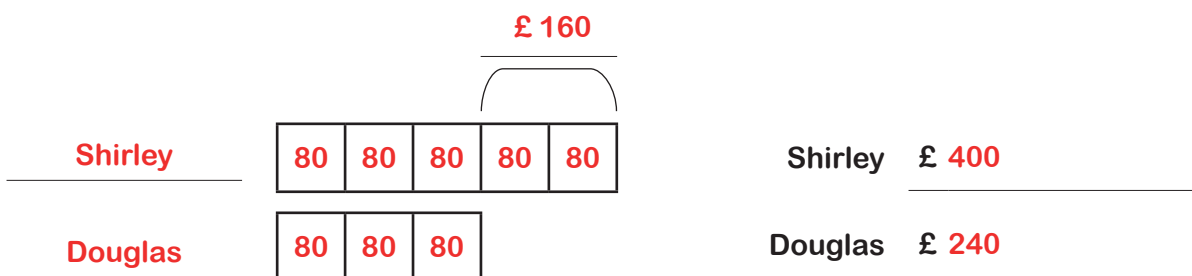
- 2) Syed and Esme share some money in the ratio 2:3. Syed has £90. How much money does Esme have?



How much money did they share in total? $\text{£ } 225$

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?



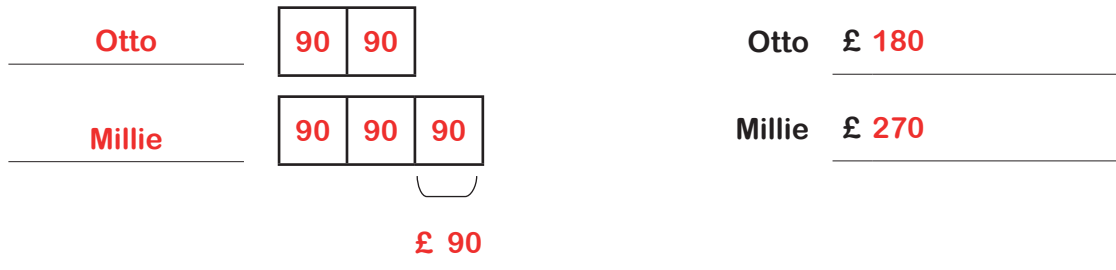
How much money did they share in total? $\text{£ } 640$

Ratio - Using Bar Models

ANSWERS



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



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?

20

- 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?

15

- 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?

14