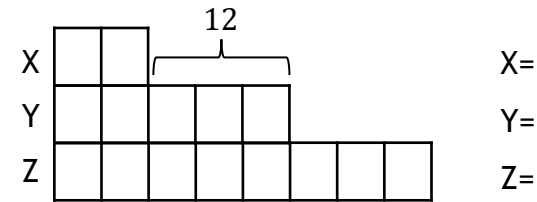
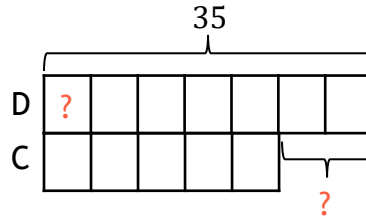
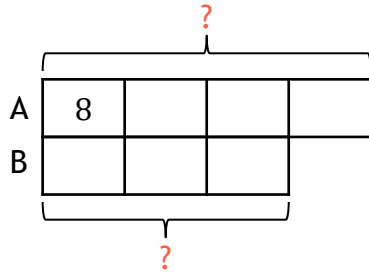


Building Blocks - Sharing in a Ratio



Block 1

Find the missing information in the bar models



Block 2

Share £36 in the following ratios.

- 1:2
- 5:1
- 5:7
- 4:3:2

If P and Q are in the ratio 2:5

- What is Q if P is 6?
- What is P if Q is 40?
- What are P and Q if $P + Q = 49$
- If Q is 30 more than P, what is their total?

James and Pat share some money in the ratio 3:7.

James receives £32 less than Pat. How much money did they share between them?

Block 3

Basma, Hannah and Nathan share £150.
Hannah gets three times as much money as Nathan.
Basma gets twice as much money as Hannah.
How much money does Basma get?

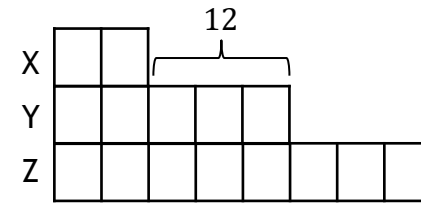
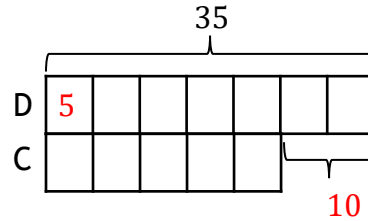
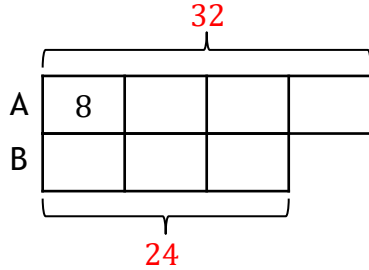
Abdi has £190
Logan has £45
Viktor has £65
Abdi gives some money to Logan and Viktor.
The ratio of the amount of money Abdi, Logan and Viktor have **now** is 5:2:3
How much money did Abdi give to Logan?

Building Blocks - Ratio



Block 1

Find the missing information from the bar models.



$$\begin{aligned} X &= 8 \\ Y + Z &= 52 \\ Z - X &= 24 \end{aligned}$$

Block 2

Share £36 in the following ratios.

- a) 1:2 £12:£24
- b) 5:1 £30:£6
- c) 5:7 £15:£21
- d) 4:3:2 £16:£12:£8

If P and Q are in the ratio 2:5

- a) What is Q if P is 6? $Q = 15$
- b) What is P if Q is 40? $P = 16$
- c) What are P and Q if $P + Q = 49$ $P = 14$
 $Q = 35$
- d) If Q is 30 more than P, what is their total? $P + Q = 70$

James and Pat share some money in the ratio 3:7.

James receives £32 less than Pat. How much money did they share between them? £80

Block 3

Basma, Hannah and Nathan share £150.
 Hannah gets three times as much money as Nathan.
 Basma gets twice as much money as Hannah.
 How much money does Basma get?

$$\begin{aligned} B:H:N &= 6:3:1 \\ B &= 15 \times 6 = \text{£}90 \end{aligned}$$

Abdi has £190
 Logan has £45 = £300
 Viktor has £65
 Abdi gives some money to Logan and Viktor.
 The ratio of the amount of money Abdi, Logan and Viktor have now is 5:2:3
 How much money did Abdi give to Logan? £15

$$\begin{aligned} 5 : 2 : 3 &= 10 \\ \text{£}150 : \text{£}60 : \text{£}90 &= \text{£}300 \end{aligned}$$