

1 [2025-M/J-03-22]

(a) Write the ratio 175 ml : 2.5 litres in its simplest form.

..... : [2]

(b) Dan, Erika and Fatik share \$540 in the ratio 4 : 5 : 3 .

Find the amount that Erika receives.

\$ [2]

2 [2025-M/J-03-23]

Ang and Bou share \$104 in the ratio 7 : 6 .

Calculate the amount they each receive.

Ang \$

Bou \$

[2]

3 [2024-M/J-1c-22]

(c) Write the ratio $1.6\text{ kg} : 600\text{ g} : 2.4\text{ kg}$ in its simplest form.

..... : : [2]

4 [2023-M/J-06-22]

Sophia takes part in the Trio Challenge.
She walks, then cycles and then swims.

Trio Challenge

Walk 6.3 km

Cycle 3000 m

Swim 1800 m

(a) Write these distances walk : cycle : swim as a ratio in its simplest form.

..... : : [2]

(b) Sophia walks at an average speed of 1.4 m/s .
She completes the walk at 11 05.

Find the time she starts walking.

..... [3]

5 [2022-M/J-10-12]

A bag contains red balls, blue balls and green balls.

The ratio red : blue = 3 : 8 .

The ratio green : blue = 2 : 5 .

Work out the fraction of the balls that are blue.

..... [3]

6 [2022-M/J-03-21]

(b) Anita cuts 10m of fabric into three lengths to make a blouse, a skirt and a dress.

The lengths of fabric needed to make the blouse, the skirt and the dress are in the ratio 6 : 8 : 11.

Find the length of the fabric that is cut to make the dress.

..... m [2]

7 [2021-M/J-05-12]

- (a) Omar and Jamil share \$540 in the ratio 7 : 2.

Work out Omar's share.

\$ [2]

- (b) Increase 40 in the ratio 5 : 8.

..... [1]

8 [2020-M/J-09-11]

- (a) Write the ratio 75 g : 3 kg in its simplest form.

..... : [2]

- (b) In a tennis club the ratio number of junior members : number of senior members = 7 : 10.
There are 18 more senior members than junior members.

Calculate the **total** number of club members.

..... [2]

- (b) A bag contains red balls and blue balls.
The balls are in the ratio red : blue = 3 : 5.

Write down the fraction of the balls that are red.

..... [1]