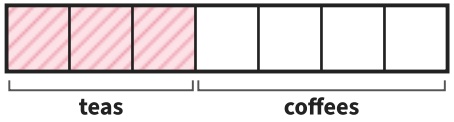
Ratios and fractions

1

A café sells teas and coffees in the ratio 3 : 4. What fraction of the drinks are teas?

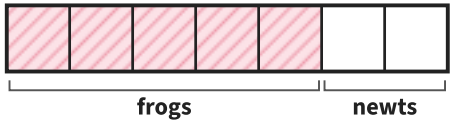


3 + 4 = ☐ parts

teas = ☐/☐

2

A pond has frogs and newts in the ratio 5 : 2. What fraction of the animals are frogs?

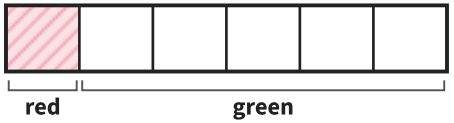


☐ + ☐ = ☐ parts

frogs = ☐/☐

3

A jar holds red and green buttons in the ratio 1 : 5. What fraction of the buttons are green?

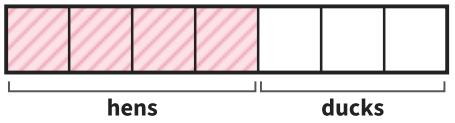


☐ + ☐ = ☐ parts

green = ☐/☐

4

A farm has hens and ducks in the ratio 4 : 3. What fraction of the birds are ducks?



Answer _____

5

$\frac{5}{9}$ of the members of a book club are adults. The rest are children. Label the bar, then write the ratio of adults to children.



adults : children = ☐ : ☐

6

A fruit bowl has apples, pears and plums in the ratio 4 : 1 : 3. What fraction of the fruit are plums?

Answer _____

7

In a car park, the ratio of vans to cars is 1 : 4. Ali says $\frac{1}{4}$ of the vehicles are vans. Explain Ali's mistake. What fraction of the vehicles are vans?

Answer _____

8

A garden centre has red and yellow pansies in the ratio 4 : 6. What fraction of the pansies are yellow? Give your answer in its simplest form.

Answer _____

Ratios and fractions *further practice*

9

A bag has lemon sweets and lime sweets in the ratio 5 : 4. What fraction of the sweets are lime?

Answer _____

10

On a train, $\frac{7}{10}$ of the seats are taken. The rest are empty. Write the ratio of taken seats to empty seats.

Answer _____

11

A flower bed has red, yellow and white tulips in the ratio 4 : 3 : 5.
What fraction of the tulips are red?
Give your answer in its simplest form.

Answer _____

12

In a cycling club, the ratio of adults to children is 5 : 6.
(a) What fraction of the members are adults?
(b) The number of adults is what fraction of the number of children?

(a) _____

(b) _____

13

A 600 ml smoothie is made from milk and fruit in the ratio 2 : 3.
How many millilitres of fruit are in the smoothie?

Answer _____

14

(a) Write the ratio of shaded squares to unshaded squares.
(b) What fraction of the rectangle is unshaded?



(a) _____

(b) _____

15

In a survey, the ratio of people who like tea to people who do not is 7 : 6.
Is it true that more than half of the people like tea? Show how you know.

Answer _____

16

On a shelf, the ratio of fiction books to non fiction books is 5 : 3. Mo says $\frac{3}{5}$ of the books are non fiction. Lin says $\frac{3}{8}$.
Who is right? What does Mo's fraction compare?

Answer _____