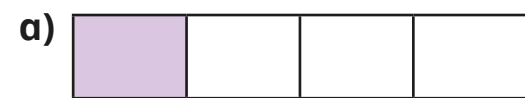


# Understand the numerators of non-unit fractions

1 Complete the sentences for the bar models.



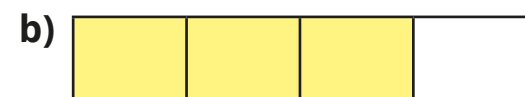
The whole has been split into  equal parts.

The denominator is

of the parts is shaded.

The numerator is

The fraction shaded is



The whole has been split into  equal parts.

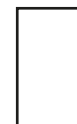
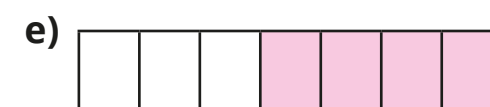
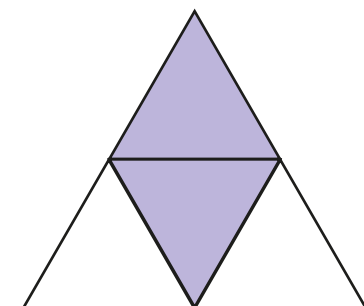
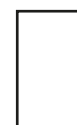
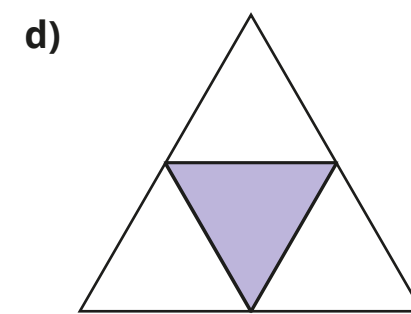
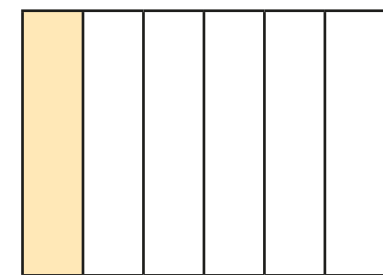
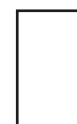
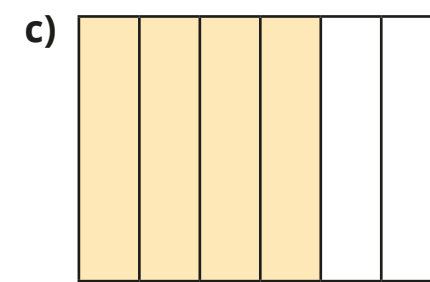
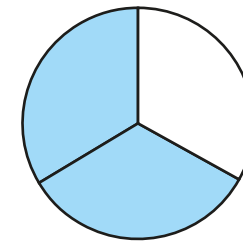
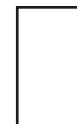
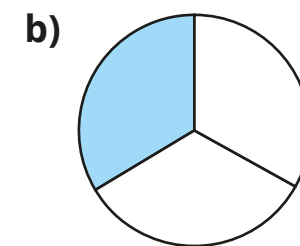
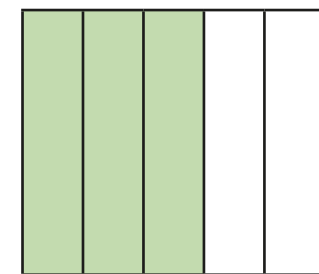
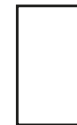
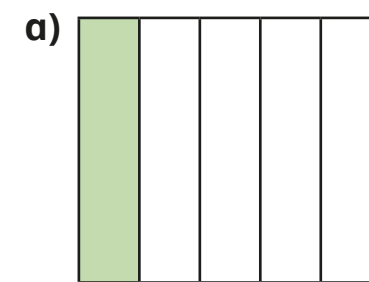
The denominator is

of the parts are shaded.

The numerator is

The fraction shaded is

2 What fraction of each shape is shaded?

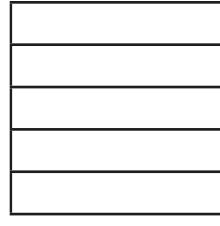
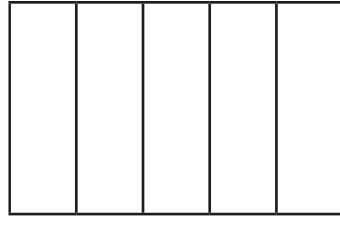
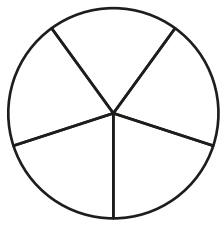


Tick the non-unit fraction in each pair of shapes.

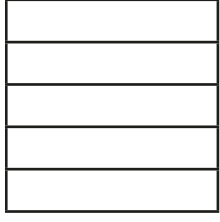
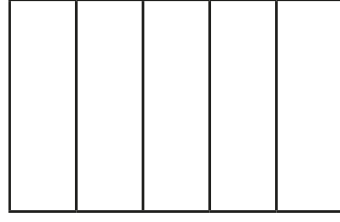
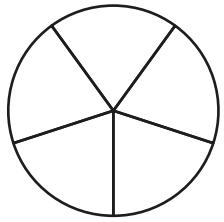
How did you know which was the non-unit fraction?



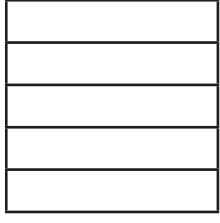
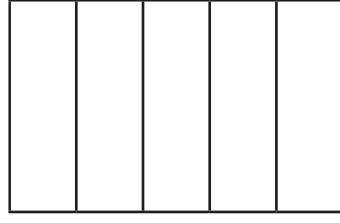
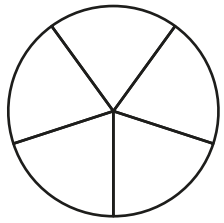
- 3 a) Shade  $\frac{2}{5}$  of each shape.



- b) Shade  $\frac{4}{5}$  of each shape.



- c) Shade  $\frac{3}{5}$  of each shape.



Compare answers with a partner.

- 4 a) What is a unit fraction? What is a non-unit fraction?

Talk about it with a partner.

- b) Complete the sentences.

An example of a unit fraction is

The numerator is always

An example of a non-unit fraction is

The numerator is always greater than



- 5 Complete the sentences.

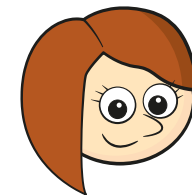
a)  $\frac{3}{4}$  is equal to  lots of  $\frac{1}{4}$

b)  $\frac{2}{7}$  is equal to 2 lots of  $\frac{\text{ } }{7}$

c)  is equal to 3 lots of  $\frac{1}{8}$

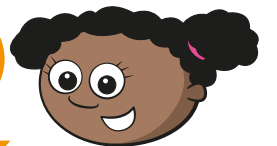
d)  lots of  is equal to  $\frac{7}{10}$

- 6 The children are working out the fraction shown in the bar model.



Rosie

The bar model shows  $\frac{3}{4}$



Whitney

The bar model shows  $\frac{3}{7}$



Dexter

The bar model shows  $\frac{4}{7}$

Who do you agree with?

Give reasons for your answer.

\_\_\_\_\_

