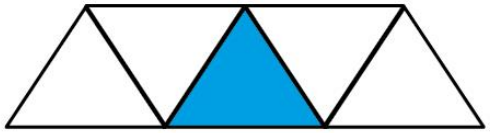
What is a fraction?

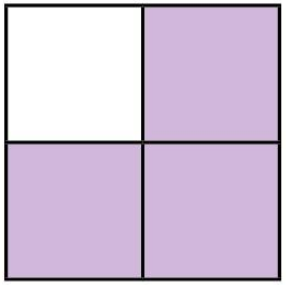
1 What fraction of each shape is shaded?

a)

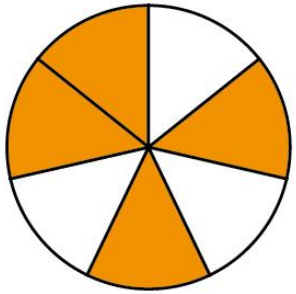


b)

c)

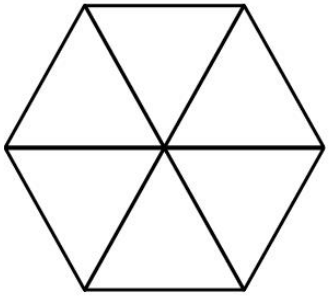


d)



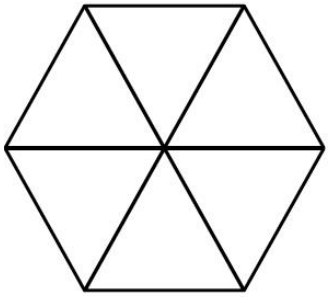
2 Shade each diagram to represent the fractions.

a)



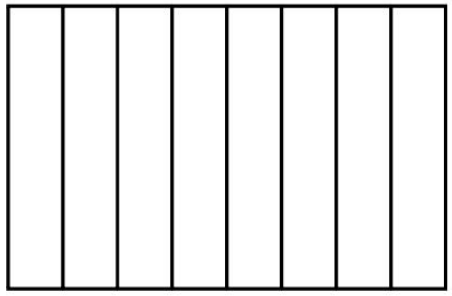
$\frac{1}{6}$

b)



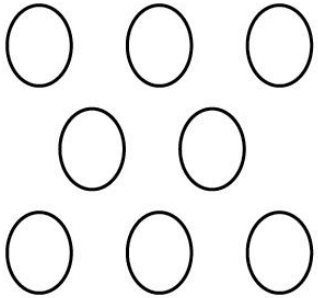
$\frac{5}{6}$

c)



$\frac{5}{8}$

d)



$\frac{5}{8}$

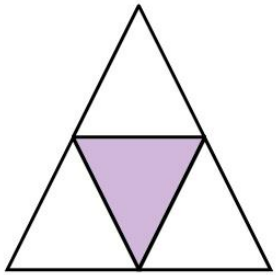
3 Circle the unit fractions.

$\frac{1}{3}$ $\frac{1}{5}$ $\frac{3}{5}$ $\frac{1}{8}$ $\frac{2}{3}$ $\frac{10}{11}$

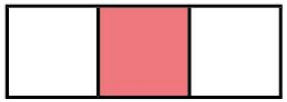
How do you know which are unit fractions?

4 **a)** Tick the shapes with one third shaded.

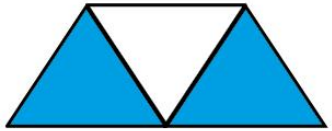
A



D

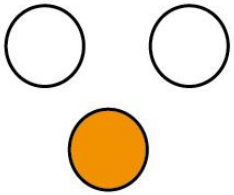


F



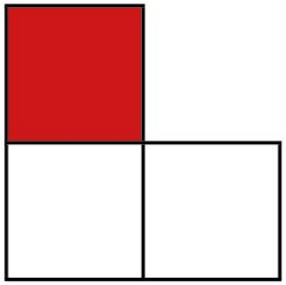
B

E



G

C



4 **b)** Complete the sentences to describe the shapes with one third shaded.

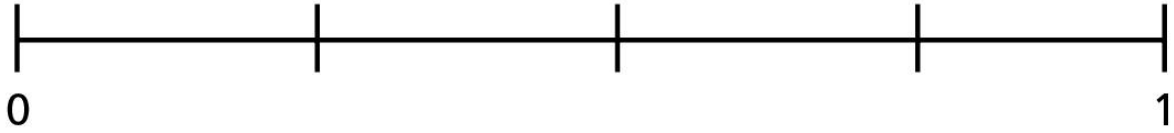
There are ☐ equal parts altogether.

☐ out of ☐ equal parts is shaded.

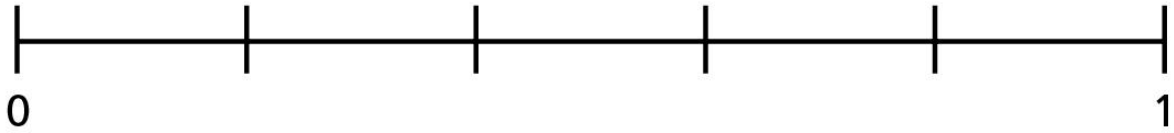
☐ of the shape is shaded.

5 Draw an arrow to show the position of the fraction on the number line.

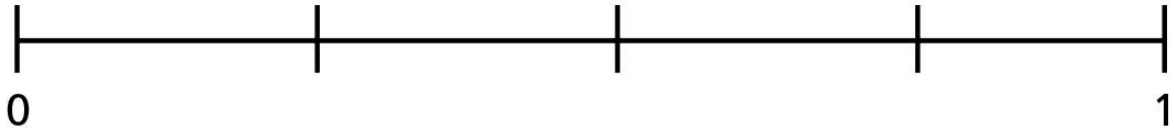
a) $\frac{1}{4}$



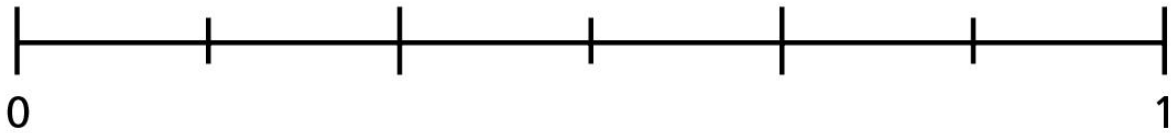
b) $\frac{3}{5}$



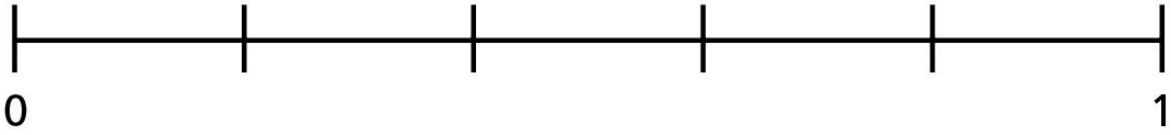
c) $\frac{1}{2}$



d) $\frac{1}{3}$



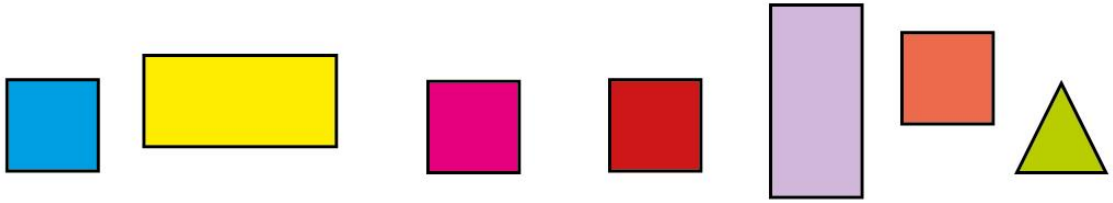
6 Draw an arrow to show the position of $\frac{5}{5}$ on the number line.



What do you notice?

7 Draw four different representations of $\frac{3}{4}$

8 Amir has drawn some 2D shapes.



a) What fraction of the shapes are triangles?

b) What fraction of the shapes are squares?

c) What fraction of the shapes have four sides?

8 **d)** Draw 2D shapes to match the description.

$\frac{1}{5}$ are squares, $\frac{2}{5}$ are triangles, $\frac{3}{5}$ have more than 3 sides.

Compare shapes with a partner.

What is the same about your shapes? Is anything different?