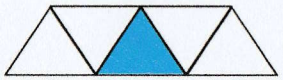
What is a fraction?

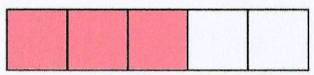
1 What fraction of each shape is shaded?

a)



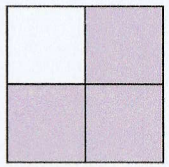
$\frac{1}{5}$

b)



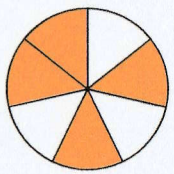
$\frac{3}{5}$

c)



$\frac{3}{4}$

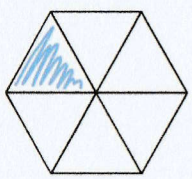
d)



$\frac{4}{7}$

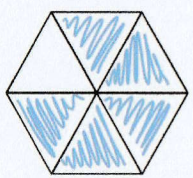
2 Shade each diagram to represent the fractions.

a)



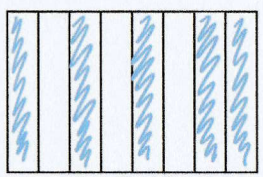
$\frac{1}{6}$

b)



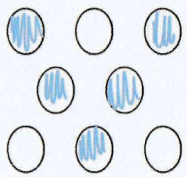
$\frac{5}{6}$

c)



$\frac{5}{8}$

d)



$\frac{5}{8}$

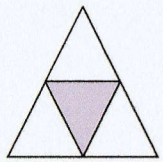
3 Circle the unit fractions.

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

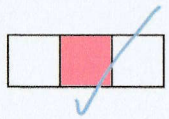
How do you know which are unit fractions?

4 a) Tick the shapes with one third shaded.

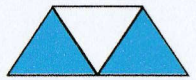
A



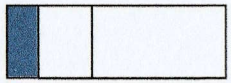
D



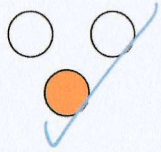
F



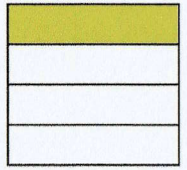
B



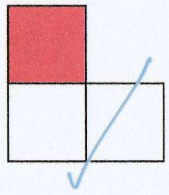
E



G



C



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

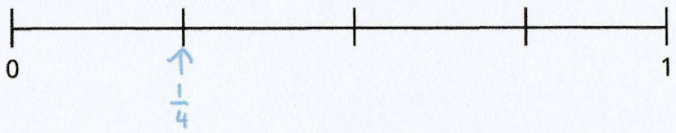
There are [3] equal parts altogether.

[1] out of [3] equal parts is shaded.

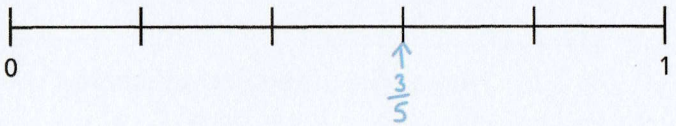
[$\frac{1}{3}$] of the shape is shaded.

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

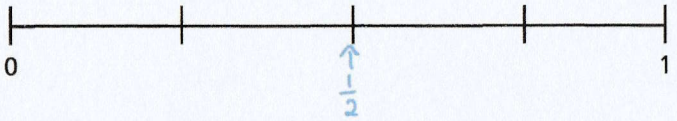
a) $\frac{1}{4}$



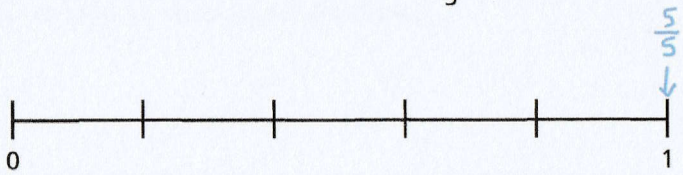
b) $\frac{3}{5}$



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



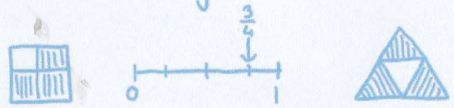
6 Draw an arrow to show the position of $\frac{5}{5}$ on the number line.



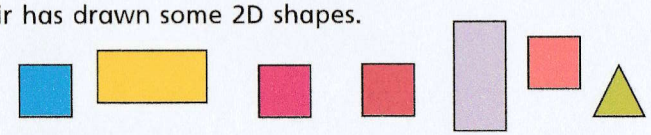
What do you notice?

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

Various answers e.g.



8 Amir has drawn some 2D shapes.



a) What fraction of the shapes are triangles?

1/7

b) What fraction of the shapes are squares?

4/7

c) What fraction of the shapes have four sides?

6/7