

Lesson 1- Fractions

What do you need?

Pen and Paper

Blue Zone



Going slow

E.g. sad, sick, tired,
bored

Green Zone



Good to go

E.g. happy, calm,
focused, ok

Yellow Zone



Caution

Starting to lose control

E.g. worried, excited,
annoyed

Red Zone



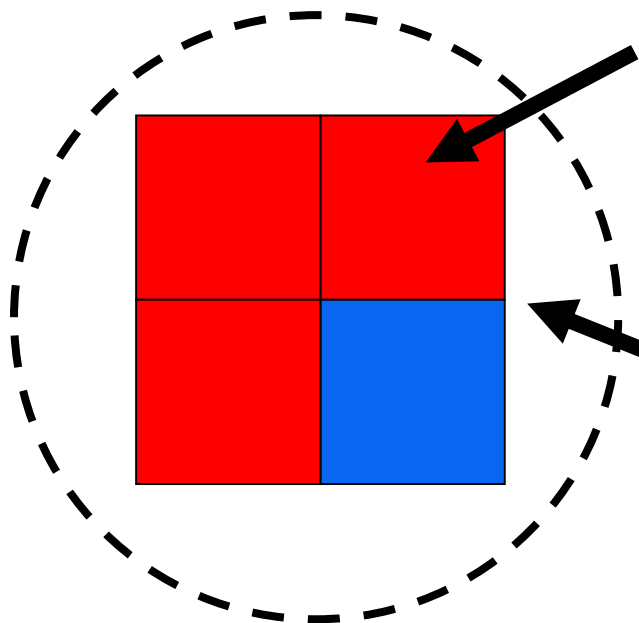
Stop!

Out of control

E.g. angry, terrified,
elated

Recognising Fractions

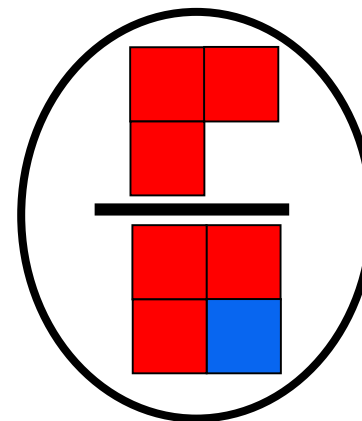
Fractions show proportions. They compare the parts into which an object is divided with the whole object.



3 parts of this square are red.

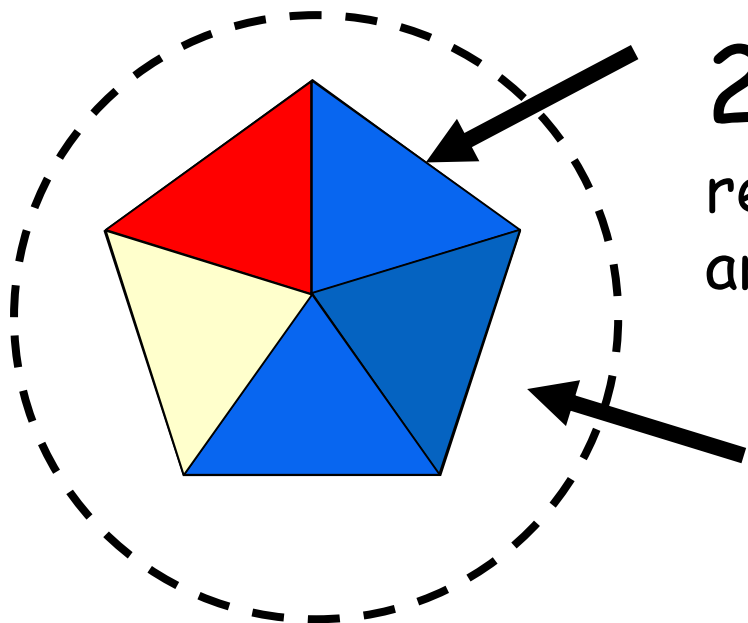
There are 4 equal parts in total.

So we write fraction red = $\frac{3}{4}$



Recognising Fractions

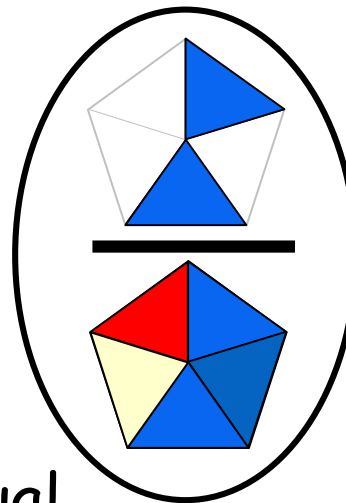
Fractions show proportions. They compare the parts into which an object is divided with the whole object.



2 parts of this regular pentagon are blue.

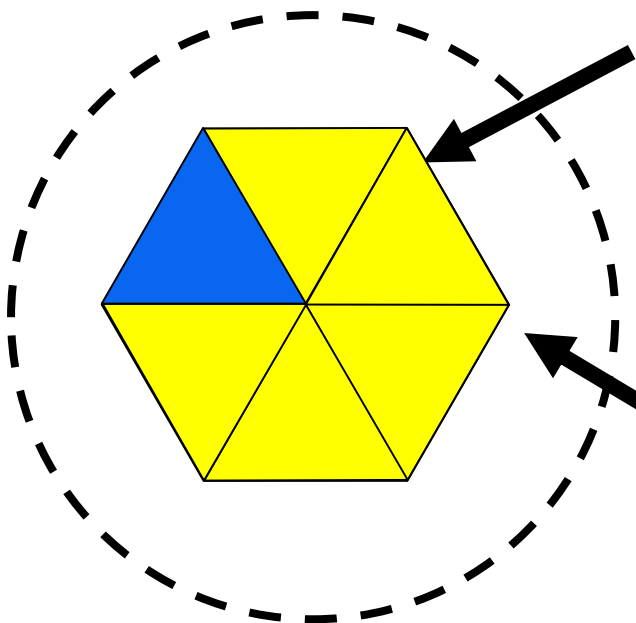
There are 5 equal parts in total.

So we write fraction blue = $\frac{2}{5}$



Recognising Fractions

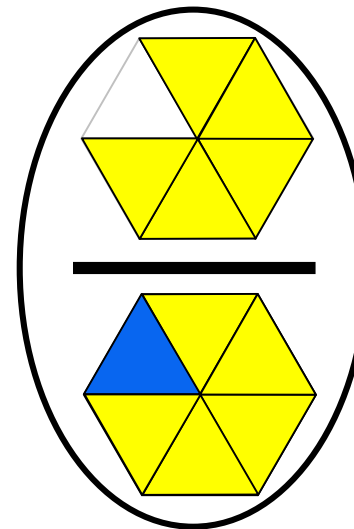
Fractions show proportions. They compare the parts into which an object is divided with the whole object.



5 parts of this regular hexagon are yellow.

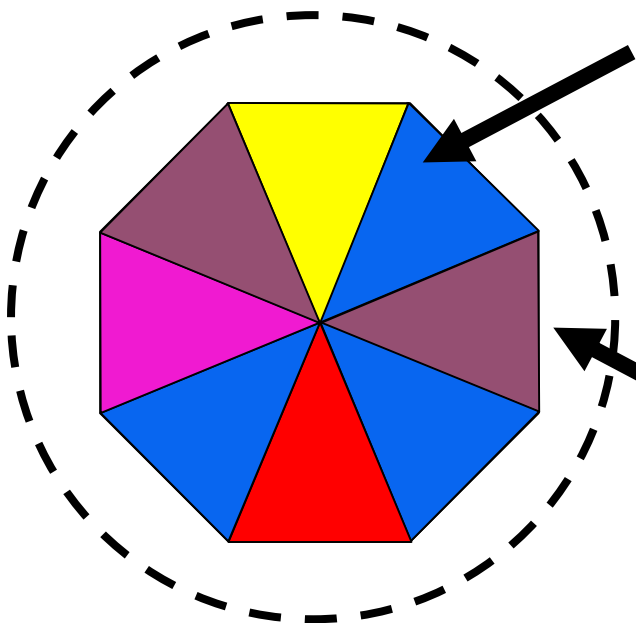
There are 6 equal parts in total.

So we write fraction yellow = $\frac{5}{6}$



Recognising Fractions

Fractions show proportions. They compare the parts into which an object is divided with the whole object.

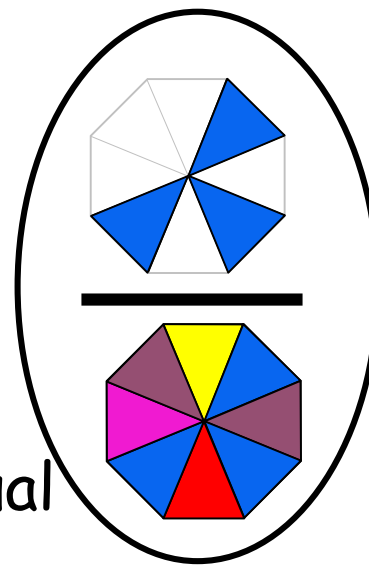


3 parts of this regular octagon are blue.

There are 8 equal parts in total.

So we write fraction blue =

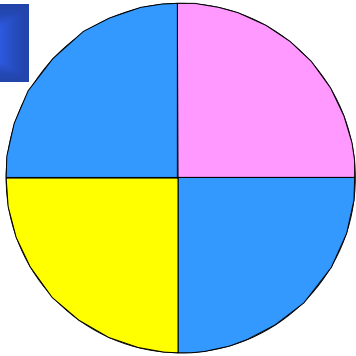
$$\frac{3}{8}$$



Recognising Fractions

Write down the fraction for the indicated colour in each case.

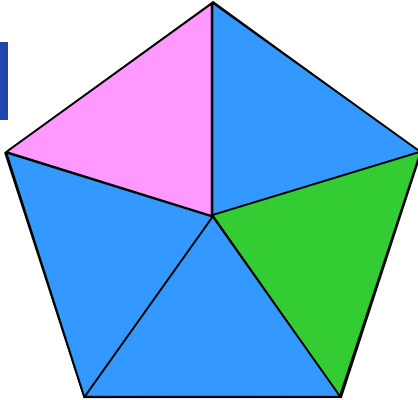
a



yellow

$$\frac{1}{4}$$

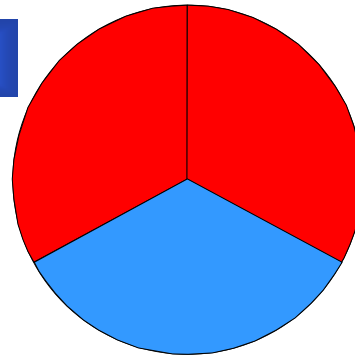
b



blue

$$\frac{3}{5}$$

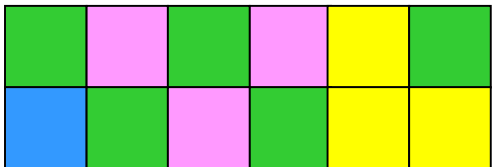
c



red

$$\frac{2}{3}$$

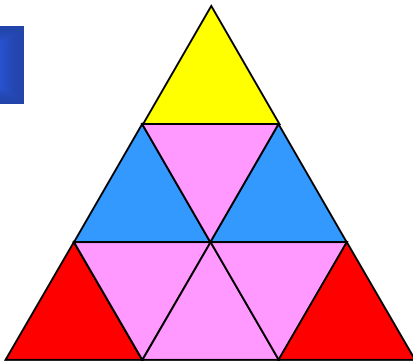
d



green

$$\frac{5}{12}$$

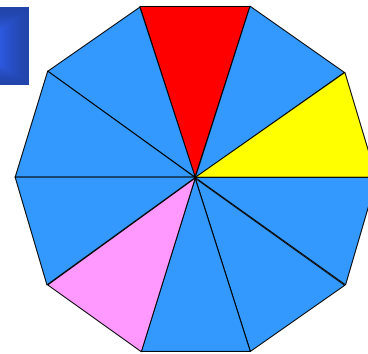
e



pink

$$\frac{4}{9}$$

f

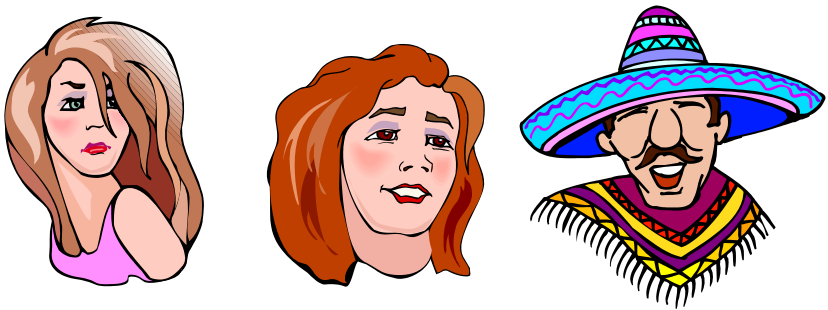


blue

$$\frac{7}{10}$$

Recognising Fractions

Fractions can also be used to divide groups into separate categories or sets.



What fraction of this group of people are female?

There are 3 females



Out of a total of 8 people.

So fraction female = $\frac{3}{8}$

Recognising Fractions

Fractions can also be used to divide groups into separate categories or sets.



What fraction of this group of people are wearing hats?

There are 5 hats

Out of a total of 7 people.

So fraction wearing hats = $\frac{5}{7}$

Recognising Fractions

Fractions can also be used to divide groups into separate categories or sets.



What fraction of this group of people are wearing glasses?

There are 3 pairs of glasses

Out of a total of 7 people.

So fraction wearing glasses = $\frac{3}{7}$

Recognising Fractions



What fraction of the people are male?

$$\frac{11}{18}$$

Recognising Fractions



What fraction of the people are wearing hats?

$$\frac{5}{18}$$

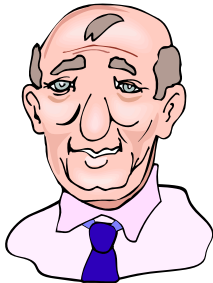
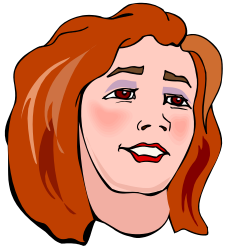
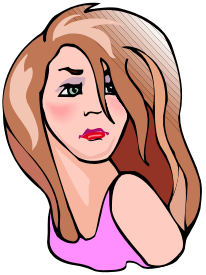
Recognising Fractions



What fraction of the people are wearing glasses?

$$\frac{8}{18}$$

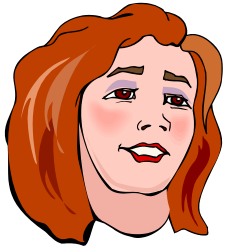
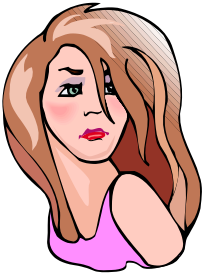
Recognising Fractions



What fraction of the people have beards?

$$\frac{3}{15}$$

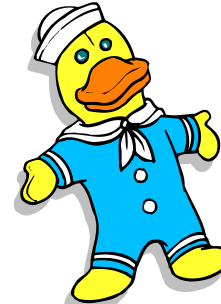
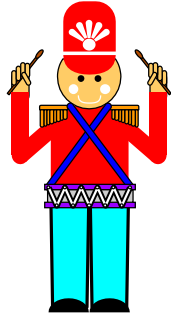
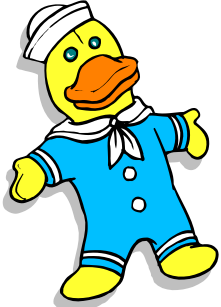
Recognising Fractions



What fraction of the people have a moustache?

$$\frac{4}{15}$$

Recognising Fractions



What fraction of the toys are teddies ?

$$\frac{5}{12}$$

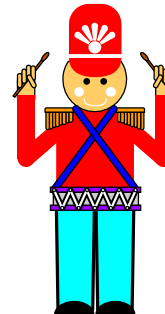
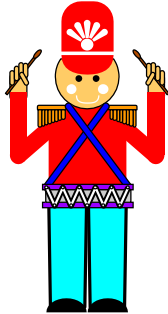
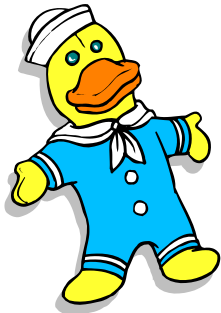
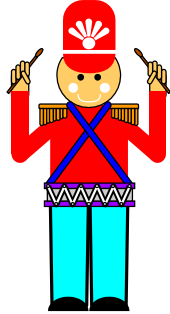
Recognising Fractions



What fraction of the toys are clowns ?

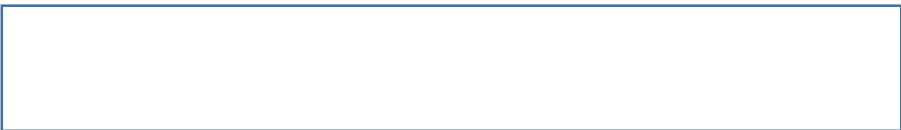
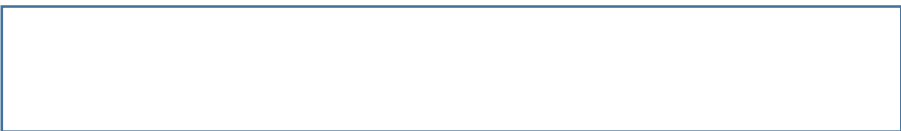
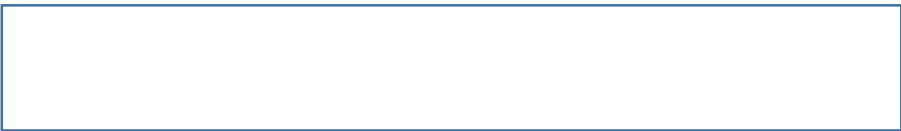
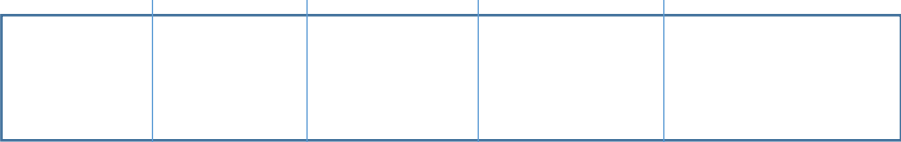
$$\frac{1}{12}$$

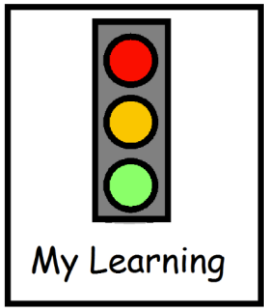
Recognising Fractions



What fraction of the toys are soldiers ?

$$\frac{7}{12}$$





Traffic light your work today.

Thumbs down- I don't understand it

Thumbs across- I understand some of it

Thumbs down- I understand all of it