

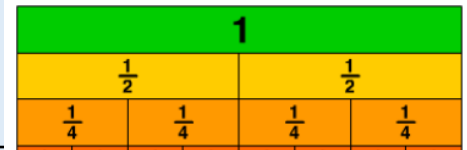


KNOWLEDGE ORGANISER **Year 2**
Fractions

What I should already know:
 Find a half of a shape or small quantity
 Find a quarter of a shape or small quantity

What I should know by the end of this unit:
 Recognise & find a half of an object or number
 Recognise & find a quarter of an object or number
 Recognise & find a third of an object or number
 Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$
 Find $\frac{3}{4}$ of an object or number
 Count in fractions

| Vocabulary | |
|-------------------|---|
| fraction | A part of a whole |
| part | An equal bit of a whole shape or quantity |
| whole | All the parts - the complete object or quantity |
| equivalent | Fractions with the same value |
| numerator | The top number of a fraction. It is the number of parts we have. |
| denominator | The bottom number of a fraction. It is the total number of parts the whole is divided into. |



fraction

A fraction is any part of a group, number or whole.



One circle has been cut in half.
 A half is a fraction.
 We write one half as



The top number is called the numerator.

1
2

It is the number of parts we have.

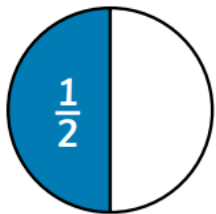
The bottom number is called the denominator.

It is the total number of parts the whole is divided into.

Recognising Unit Fractions

Half

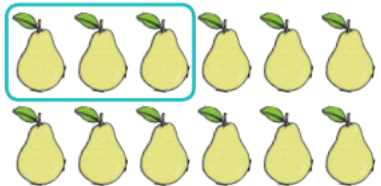
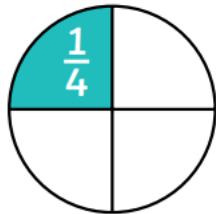
A whole split into two equal parts.



$$\frac{1}{2} \text{ of } 8 = 4$$

Quarter

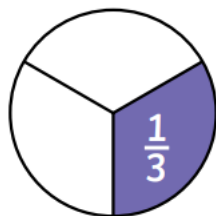
A whole split into four equal parts.



$$\frac{1}{4} \text{ of } 12 = 3$$

Third

A whole split into three equal parts.



$$\frac{1}{3} \text{ of } 6 = 2$$

Non-unit Fractions

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



$$\frac{3}{4}$$

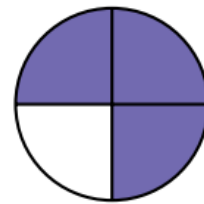


Equivalent Fractions

$$\frac{1}{2} = \frac{2}{4}$$



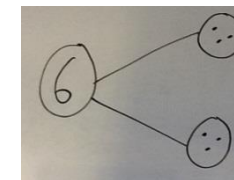
Numerator and Denominator



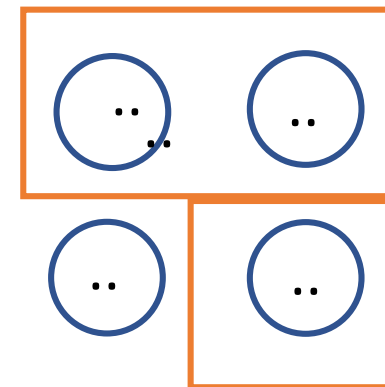
$$\frac{3}{4}$$

Numerator
How many equal parts of the whole are needed?

Denominator
How many equal parts are in the whole?



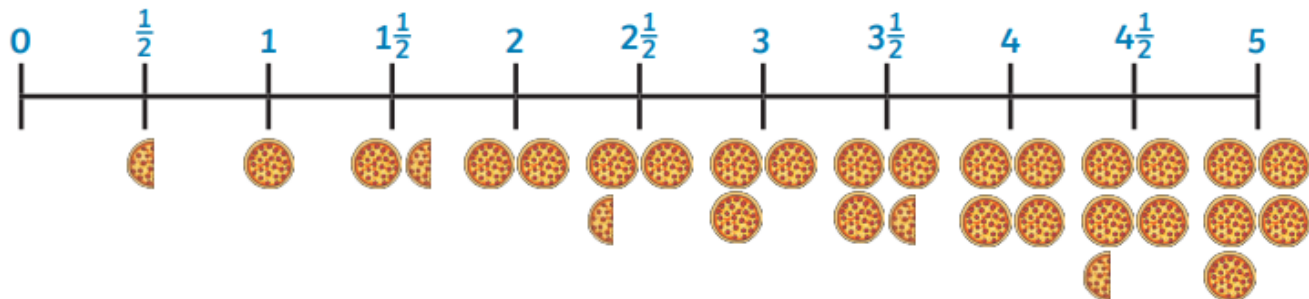
Half $\frac{1}{2}$ of 6 is



$\frac{3}{4}$ of 8 is 6

Counting in Fractions

Halves



Thirds

