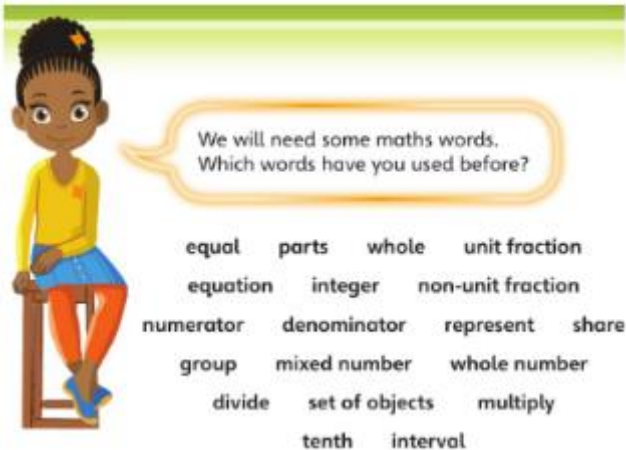


Fractions

Fractions are equal parts of a whole. If you get 7 out of 10 in a test, you can write your score as 7/10. This is a fraction.

- The number on the top of a fraction is the **numerator**.
- The number on the bottom of a fraction is the **denominator**, how many parts of the whole.

Key Vocabulary



$\frac{1}{8}$
numerator
denominator

Unit and non-unit fractions

When the numerator is 1, it is one equal part of a whole it is called a unit fraction.

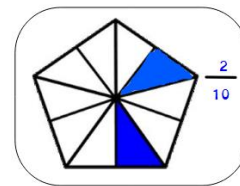
When there is more than one part of the whole it is not one unit of the whole, it is a non-unit fraction.

unit fraction $\frac{1}{10}$ non-unit fraction $\frac{4}{10}$

Fraction of a shape

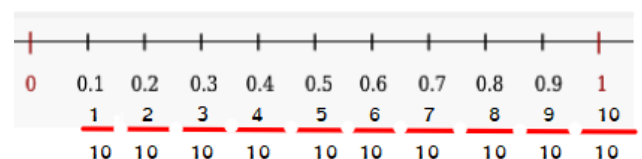
When a whole shape is cut into equal parts each part is a small part of the whole. The coloured parts do not have to be together to be a fraction:

The **numerator** shows the number of coloured sections. The **denominator** shows the number of equal parts in the whole shape.



Fraction of a number

When a whole number is shared into equal parts on a numberline each smaller part is a fraction of the whole number. £1 can be shared into 10ths (10ps) or 100ths (1ps) 1cm can be shared into 10 equal parts (1mm)



STEM Sentences:

Use these sentences in your Unexpected Adventure Trail book to help you explain a fraction in a shape or whole number.

The denominator is ___ because the whole is divided into ___ equal parts.
The numerator is ___ because ___ part(s) of the whole has been shaded.

The whole has been divided into ___ equal parts.
___ is part of the whole.
Therefore ___ out of ___ is -

The whole has been divided into 5 equal parts.

1 is part of the whole.

Therefore 1 out of 5 is $\frac{1}{5}$ -



The whole has been divided into ___ equal parts.
___ of the whole has been shaded.

Learn to say and spell this maths vocabulary:

1 whole, halves, thirds, quarters, fifths, sixths, sevenths, eighths, ninths, tenths