



Year: 4

Subject: Maths

Title:
Fractions

What key knowledge do I need to have before this unit?

- Understand what length is
- Know how to measure length
- Know that perimeter is the distance around the outside of a shape
- Understand that length is the measure of how long something is

Key outcomes:

What I need to know by the end of this unit of work:

- 1) Measure in kilometres and meters
- 2) Understand equivalent lengths
- 3) Measure the perimeter on a grid
- 4) Measure the perimeter of a rectangle and other rectilinear shapes
- 5) Find missing lengths in rectilinear shapes
- 6) Calculate the perimeter of rectilinear shapes
- 7) Measure the perimeter of regular polygons
- 8) Measure the perimeter of polygons

Key knowledge:

The perimeter is the total distance all the way around the outside of a 2D shape, like a fence around a garden. To find the perimeter, you simply add up the length of all the sides of the shape. For example, if you have a rectangle with sides of length 5 cm, 5 cm, 2 cm, and 2 cm, the perimeter is:
 $5+5+2+2=14\text{cm}$

Key Vocabulary and Definitions:

Rectilinear shapes - flat, 2D shapes that are made only of straight lines that all meet at right angles

Polygons - a flat, closed shape with straight sides and three or more sides

Regular polygon - a 2D shape with straight sides that are all the same length

Length - how long something is from one end to the other