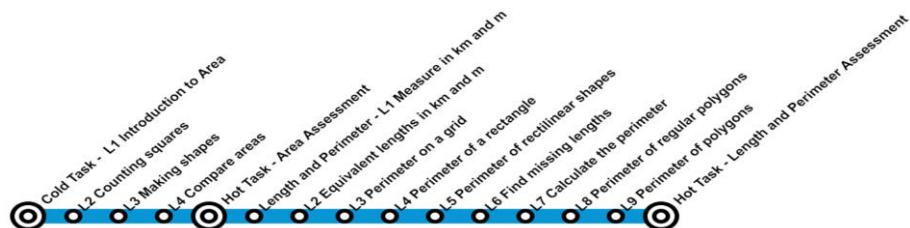




YEAR 4 – Unit 4: Measurement



Concept Links/Prior Knowledge

Previous learning that will help you with this unit of work:

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- Measure the perimeter of simple 2-D shapes

Vocabulary

Area
Perimeter
Centimetres
Millimetres
Metres
Kilometres
Squares
Distance
Length
Width
Rectilinear
Right angle
Polygon

Area and Perimeter

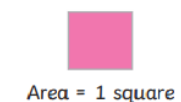
Area is the amount of space inside a 2D shape.

Perimeter is the total distance around the outside of a 2D shape.

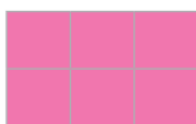


Measuring Area

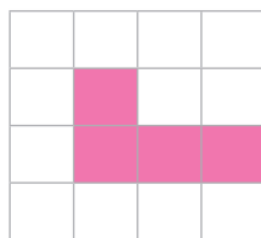
We can count squares to find the area of a rectilinear shape.



Area = 1 square



Area = 6 squares



Area = 4 squares

Units of Measurement

1 kilometre = 1000 metres

1 metre = 100 centimetres

1 centimetre = 10 millimetres



Rectilinear Figures

A rectilinear figure is a 2D shape whose sides all meet at right angles.



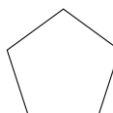
Polygons

A 2D shape with straight sides.

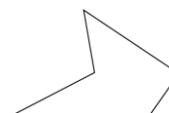
Regular - all sides are equal length.

Irregular - some or all sides have different lengths.

Regular Pentagon



Irregular Pentagon



What will I know by the end of the unit?

How do you convert mm into cm?

How do you convert cm into mm?

How do you convert cm into m?

How do you convert m into cm?

How do you convert m into km?

How do you convert km into m?

How do we calculate perimeter?

Do you need to measure all the sides of a rectangle to find the perimeter?

Can you measure the perimeter of a square if you only have the measurement of one side?

How do we calculate area?

Calculate the area of this shape.

