Measurement and Perimeter

Use comparison symbols to make the statements correct.

> = <

4 km ◯ 400m

500 km ◯ ½ km

2 km ◯ 900 m

½ m ◯ 500 m

Draw and find the perimeter of these shapes in cm.

Length an

squares 1cm by 1cm
not to scale
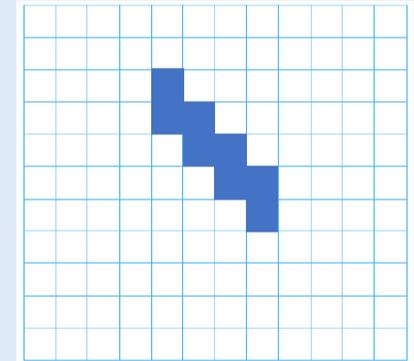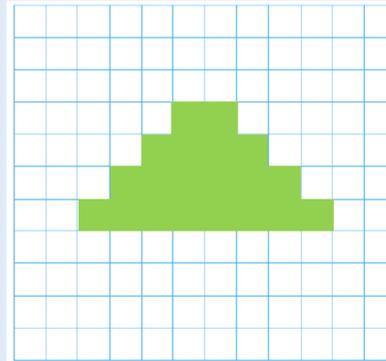
Discuss

What do you need to know to work out the perimeter?

How do you know the value of each side?

What is a more efficient way of calculating the perimeter?

Length an

Measurement and Perimeter

National Curriculum Aims

➢ Convert between different units of measure [for example, kilometre to metre; hour to minute.
➢ measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
➢ estimate, compare and calculate different measures.
➢ find the area of rectilinear shapes by counting squares.

Key Vocabulary

Approximately	Another word for estimation is approximation. This **means** we do not use the actual number but round it to an appropriate and easier to use number.
Mile (m)	A unit of length equal to exactly 1.609344 kilometres.
Centimetre (cm)	A metric unit for measuring length, equal to one hundredth of a metre.
Kilometre (km)	A Metric measure of distance. Equal to 1,000 meters.
Millimetre (mm)	A Metric measure of distance used for small lengths. There are 1000 **mm** in one meter.
Perimeter	The **perimeter** is the distance all the way around the outside of a 2D shape. To work out the **perimeter**, add up the lengths of all the sides.
Edge	An **edge** is a line segment between faces.
Area	**Area** is the term used to **define** the amount of space taken up by a 2D shape or surface. We measure **area** in square units: cm² or m². **Area** is calculated by multiplying the length of a shape by its width.
Square cm/mm/m/km	A unit used to **measure** area. **Example**: "**square** centimetres" (cm^2), "**square** meters" (m^2), "hectares" (ha), are all **square measures**.

Core Knowledge and Representations

A kilometre is a metric unit of measurement.

1 km = 1,000 metres

4 kilometres

3,000 metres

$\frac{3}{4}$ 6 km

4,900 metres
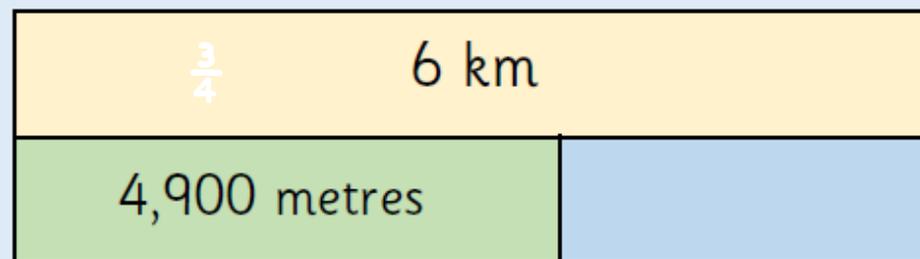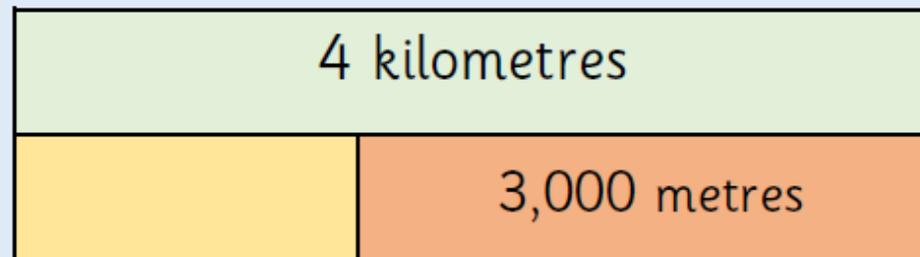
Home Learning

- Look at objects around your house. Try to measure their perimeter.
- Explore some of these interesting guides!

https://www.bbc.co.uk/bitesize/topics/zcpnb9q