

Year 4 Block 6 Unit: Length and Perimeter

Key Vocabulary:

perimeter	centimetres	metres	squares	distance	millimetres
kilometres	length	width	rectilinear	regular polygon	irregular polygon

What will I know by the end of this unit?

Measure in kilometres and metres:

What is the distance between Town A and Town B?

- Kilometres are greater than metres.
- Kilometres are used to measure longer distances.
- There are 1,000 metres in 1 kilometre.

Equivalent lengths.

1 kilometre = 1,000 metres

1 metre = 100 centimetres

1 centimetres = 10 millimetres

Perimeter of a rectangle:

Properties of a rectangle

- 2-D shape
- 4 sides
- All sides are straight
- 2 pairs of parallel sides
- Opposite sides are equal

Perimeter = 16cm

$6\text{cm} + 2\text{cm} + 6\text{cm} + 2\text{cm} = 16\text{cm}$

Perimeter of rectilinear shapes:

A rectilinear shape has straight sides that meet at right angles.

$2\text{ cm} + 3\text{ cm} + 3\text{ cm} + 2\text{ cm} + 5\text{ cm} + 5\text{ cm} = 20\text{ cm}$

Find missing lengths in rectilinear shapes:

$4\text{ cm} + 3\text{ cm} = 7\text{ cm}$

Perimeter of regular polygons:

Regular polygons

- All sides are equal in length.
- All angles are equal in size.

Perimeter of polygons

Sort the irregular shapes into the table.

Lengths not equal	Angles not equal	Lengths and angles not equal