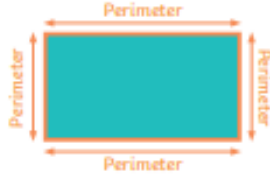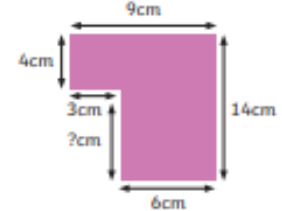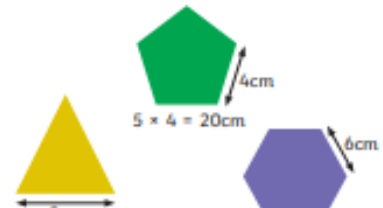## Alexandra Park Junior School
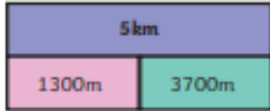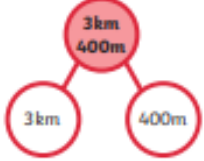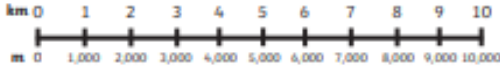
What have I previously learned?

- Measure and compare, add and subtract lengths (mm, cm, m)
- Mass- (kg, g) capacity l, ml)
- Conversions- (Cm, m, mm)
- Perimeter measuring and calculating with labelled side lengths.
- Shapes- rectangles, triangles
- Doubling and halving.
- Adding and subtracting lengths.
- Irregular shapes

Vocabulary – Goldilocks words

Word	Definition
Lengths	The measurement or extent of something from end to end; the greater of two or the greatest of three dimensions of an object
metres	A unit of measurement of length in the metric system, equal to 100 centimetres or approximately 1.094 yards
Kilometres	A kilometre is a metric unit of distance or length. One kilometre is a thousand metres, and is equal to 0.62 miles.
rectilinear	Moving in or forming a straight line
perimeter	Perimeter is a math concept that measures the total length around the outside of a shape.
polygon	A plane figure with at least three straight sides and angles, and typically five or more.

Prompts to help me in my learning.

Perimeter

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

Perimeter of Rectilinear Shapes

The missing side is 10cm because 10 + 4 = 14.

9cm, 4cm, 3cm, ?cm, 6cm, 14cm

Perimeter = 9 + 14 + 6 + 10 + 3 + 4 = 46cm.

Perimeter of Polygons

perimeter of regular polygons = number of sides × length of one side

5 × 4 = 20cm (pentagon, 4cm)

3 × 8cm = 24cm (triangle, 8cm)

6 × 6 = 36cm (hexagon, 6cm)

Length

Measure in kilometres and metres.

km m cm mm

1 **kilometre** = 1000 **metres**

1 **metre** = 100 **centimetres**

1 **centimetre** = 10 **millimetres**

km 0 1 2 3 4 5 6 7 8 9 10

m 0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000

5km = 1300m + 3700m

Distance between two cities: m (km)

Length of garden: (m) km

3km 400m = 3km + 400m