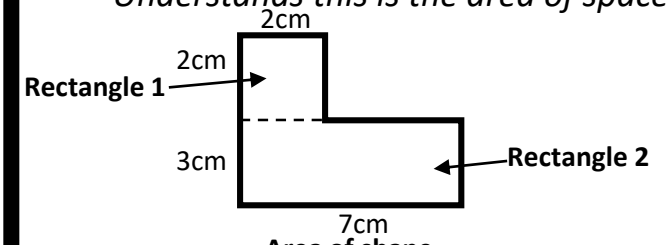
MEASUREMENT SENSE– SET 6

Ⓐ *Can find the area of a shape by splitting or reconstructing it into rectangles. Understands this is the area of space within a shape.*



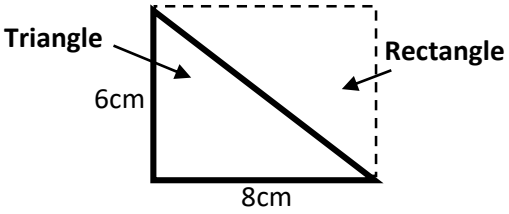
Area of shape

Split into two rectangles and add together.

Find area of rectangle 1
2cm x 2cm = 4 cm²

Find area of rectangle 2
3cm x 7cm = 21 cm²

Add together to find total area.
4cm + 21cm = 25cm²



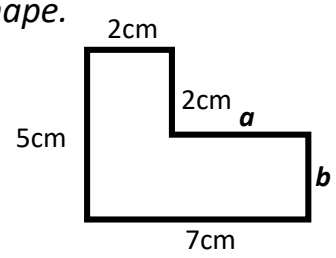
Area of a triangle

Triangle = ½ base x height (or half a rectangle)

Find area of imagined rectangle
8cm x 6cm = 48 cm²

Find area of triangle (½ rectangle)
48cm² ÷ 2 = 24cm²

Ⓑ *Can find the perimeter of shapes, understands this is the outside of the shape.*



Perimeter of shape

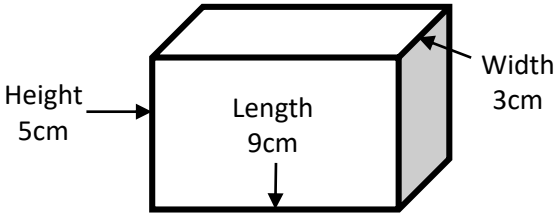
Work out any unknown sides.

a *= 7cm – 2cm =* <u>*5cm*</u> ***b*** *= 5cm – 2cm =* <u>*3cm*</u>

Add all sides together (I add in a clockwise order)

2cm + 2cm + <u>*5cm*</u> *+* <u>*3cm*</u> *+ 7cm + 5cm* ***= 24cm***

Ⓒ *Can find the area of a cuboid or rectangular prism.*



Area of a cuboid

Height x Length x Width
5cm x 9cm x 3cm
5cm x 9cm = 45cm²
45cm x 3cm = 135cm³

Ⓓ *Understands the relationship between related units in the metric system. Can multiply and divide by powers of 10 to convert units.*

10 mm = 1 cm
35mm ÷ 10 = 3.5cm
15cm x 10 = 150mm

100cm = 1m
540cm ÷ 100 = 5.4cm
6.5m x 100 = 650cm

1000m = 1km
4700m ÷ 1000 = 4.7km
7km x 1000 = 7000km

1000 mL = 1L
15000 ml ÷ 1000 = 1.5 L
3L x 1000 = 3000 ml

1000g = 1kg
3200 g ÷ 1000 = 3.2 kg
4.5 kg x 1000 = 4500 g

Ⓔ *Can estimate the size of box or container by estimating how many standard bottles or boxes fit inside.*

Estimate how many Litre the bucket is, by looking at how many 500ml bottles of water fit inside.

Use this 200 ml mouth wash container to help you estimate the size of the laundry container

Jake Wills and Olivia Walker-Wills – 2020