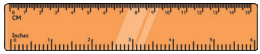


Year 5 Measurement

Length

- 1 kilometre = 1000 metres
- 1 metre = 100 centimetres
- 1 centimetre = 10 millimetres



- 1 kilometre = 0.62 miles
- 1 metre = 1.09 yards
- 1 metre = 3.28 feet



- 1 centimetre = 0.39 inches
- 1 foot = 12 inches
- 1 yard = 3 feet

km
m
cm
mm

km
m
yd
ft

cm
in
ft
yd

Capacity

- 1 litre = 1000 millilitres
- 1 centilitre = 10 millilitres



- 1 litre = 35.19 fluid ounces
- 1 litre = 1.75 pints
- 1 litre = 0.21 gallons
- 1 gallon = 8 pints



l
cl
ml

l
fl oz
pt
gal

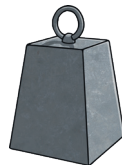
A **rectilinear** shape is one which is bound by straight lines and can be divided into rectangles or triangles in order to find its area.

Mass

- 1 tonne = 1000 kilograms
- 1 kilogram = 1000 grams
- 1 gram = 1000 milligrams

- 1 gram = 0.035 ounces
- 1 kilogram = 2.2 pounds

- 1 stone = 14 pounds
- 1 stone = 6.35 kilograms



t
kg
g
mg

g
oz
kg
lb
s

Temperature

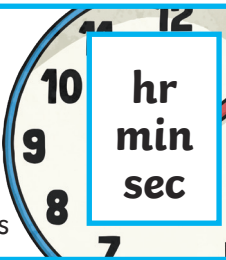


- 1° celsius = 33.8° fahrenheit
- 0° celsius = 32° fahrenheit

°C
°F

Time

- 1 day = 24 hours
- 1 hour = 60 minutes
- 1 minute = 60 seconds



hr
min
sec

Currency

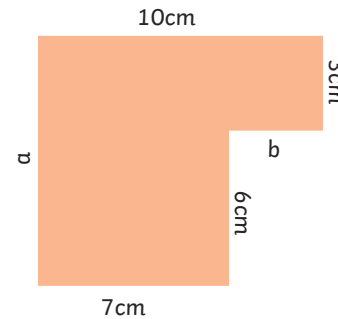
- 1 pound = 100 pence



£
p

Finding the perimeter of a Rectilinear Shape

You can calculate the perimeter of a rectilinear shape by adding together the length of each side. **You may need to calculate the length of any sides not given.**



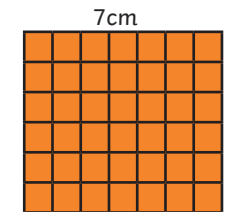
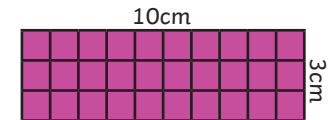
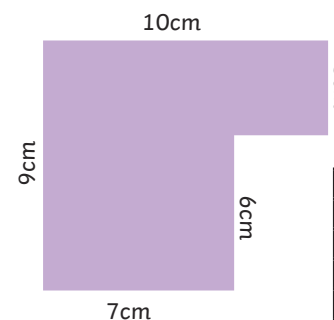
$$a = 6\text{cm} + 3\text{cm} = 9\text{cm}$$

$$b = 10\text{cm} - 7\text{cm} = 3\text{cm}$$

The perimeter:

$$10\text{cm} + 3\text{cm} + 3\text{cm} + 6\text{cm} + 7\text{cm} + 9\text{cm} = \mathbf{38\text{cm}}$$

You can calculate the area of shapes made up of rectangles by breaking them down into individual rectangles.



The area:

$$10\text{cm} \times 3\text{cm} = 30\text{cm}^2$$

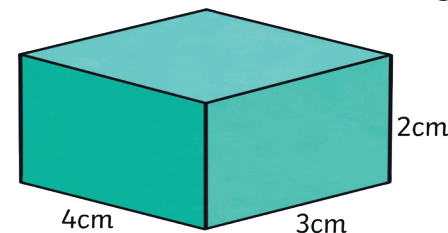
$$6\text{cm} \times 7\text{cm} = 42\text{cm}^2$$

$$30\text{cm}^2 + 42\text{cm}^2 = \mathbf{72\text{cm}^2}$$

Volume

3D shapes have volume.

length × height × depth = volume



$$\mathbf{4\text{cm} \times 2\text{cm} \times 3\text{cm} = 24\text{cm}^3}$$