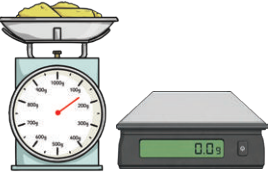
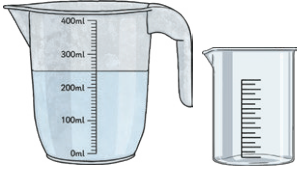




# Converting Units

# Knowledge Organiser

Key Vocabulary	Converting Mass	Converting Capacity
mass	 <p> <math>1000g = 1kg</math>  <math>\frac{1}{10}kg = 0.1kg = 100g</math>  <math>\frac{1}{4}kg = 0.25kg = 250g</math>  <math>\frac{1}{2}kg = 0.5kg = 500g</math>  <math>\frac{3}{4}kg = 0.75kg = 750g</math> </p> <p> <math>kg \xrightarrow{\times 1000} g</math>  <math>g \xrightarrow{\div 1000} kg</math> </p>	 <p> <math>1000ml = 1\text{ litre}</math>  <math>\frac{1}{10}l = 0.1l = 100ml</math>  <math>\frac{1}{4}l = 0.25l = 250ml</math>  <math>\frac{1}{2}l = 0.5l = 500ml</math>  <math>\frac{3}{4}l = 0.75l = 750ml</math>  <math>\frac{1}{100}l = 0.01l = 10ml</math> </p> <p> <math>l \xrightarrow{\times 1000} ml</math>  <math>ml \xrightarrow{\div 1000} l</math> </p>
gram		
kilogram		
capacity		
volume		
millilitre	Converting Length	
centilitre	 <p> <math>km \xrightarrow{\times 1000} m \xrightarrow{\times 100} cm \xrightarrow{\times 10} mm</math>  <math>mm \xrightarrow{\div 10} cm \xrightarrow{\div 100} m \xrightarrow{\div 1000} km</math> </p> <p> <math>1000\text{ metres} = 1\text{ kilometre}</math>  <math>100cm = 1m</math>  <math>10mm = 1cm</math>  <math>\frac{1}{10}km = 0.1km = 100m</math> </p> <p> <math>\frac{1}{4}km = 0.25km = 250m</math>  <math>\frac{1}{2}km = 0.5km = 500m</math>  <math>\frac{3}{4}km = 0.75km = 750m</math> </p>	
litre		
millimetre		
centimetre		
kilometre		
 visit <a href="https://www.twinkl.com">twinkl.com</a>		

## Units of Time

### Minute

1 minute = 60 seconds



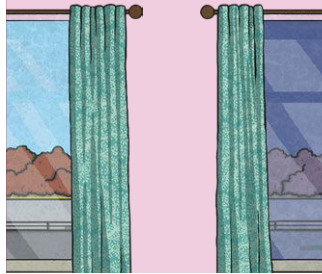
### Hour

1 hour = 60 minutes



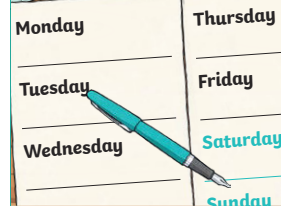
### Day

1 day = 24 hours



### Week

1 week = 7 days



### Fortnight

1 fortnight = 2 weeks



### Month

January = 31 days  
 February = 28 days (29 on a leap year)  
 March = 31 days  
 April = 30 days  
 May = 31 days  
 June = 30 days  
 July = 31 days  
 August = 31 days  
 September = 30 days  
 October = 31 days  
 November = 30 days  
 December = 31 days



### Year

1 year =  
 12 months =  
 52 weeks =  
 365 days



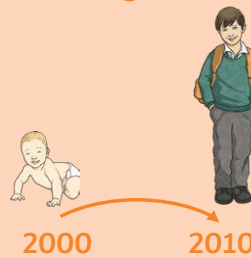
### Leap Year

1 leap year =  
 366 days



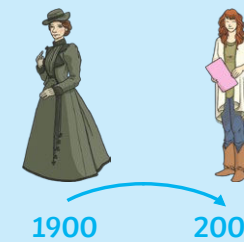
### Decade

1 decade =  
 10 years



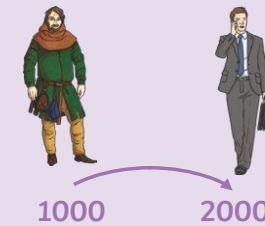
### Century

1 century =  
 100 years



### Millennium

1 millennium =  
 1000 years



## Key Vocabulary

## Volume of Cubes and Cuboids

cubed

area

cross-section

prism

cube

cuboid

face

length

height

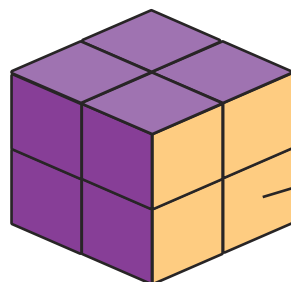
width

depth

Volume is measured in cubed units. For example, **cm<sup>3</sup>**, **m<sup>3</sup>** and **km<sup>3</sup>**.

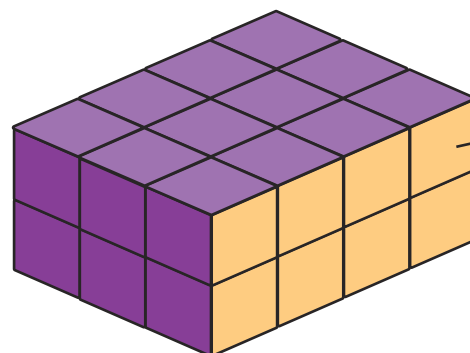
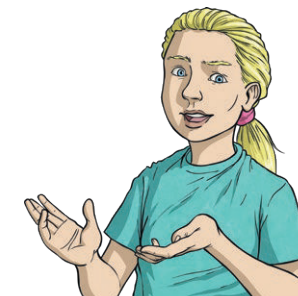
To calculate the volume of cubes and cuboids:

1. Calculate the area of the cross-section (one face).
2. Multiply the area of the cross-section (one face) by its depth.



$$\text{Area of cross section (face)} = 2\text{cm} \times 2\text{cm} = 4\text{cm}^2$$

$$4\text{cm}^2 \times 2\text{cm} = \text{Volume of } 8\text{cm}^3$$



$$\text{Area of cross section (face)} = 4\text{cm} \times 2\text{cm} = 8\text{cm}^2$$

$$8\text{cm}^2 \times 3\text{cm} = \text{Volume of } 24\text{cm}^3$$

