



# St John Fisher RC Primary School

## Year Two Maths Knowledge Organiser

### Spring Term Two – Mass, capacity and temperature

Learning Intentions	Teacher
Compare mass	
Measure in grams	
Measure in kilograms	
Compare volume and capacity	

**Compare mass**

Which object is heavier?

The bottle is heavier than the leaf.  
The mass of the bottle is greater than the mass of the leaf.

**Measure in grams**

What is the mass of each object?

3 g

13 g

26 g

80 g

**Measure in kilograms**

What is the mass of each object?

6 kg

25 kg

18 kg

90 kg

**Compare volume and capacity**

A  
  
empty

B  
  
nearly full

C  
  
full

D  
  
nearly empty

Glass A has **less** juice than Glass B.  
Glass B has **more** juice than Glass A.

**Key Vocabulary**

<b>Capacity</b>	How much a container can hold
<b>Heavier</b>	Something that weighs more than another thing
<b>Lighter</b>	Something that weighs less than another thing
<b>Measure</b>	To find out the size, amount, or weight of something
<b>Temperature</b>	How hot or cold something is

**Assessment**

Tick the heavier object on each scale.

a)      b)

What is the mass of the ruler?

g

What is the mass of the crate?

kg

Here are three glasses.

A  
  
A

B  
  
B

C  
  
C

a) Which glass is empty? \_\_\_\_\_

b) Which glass is half full? \_\_\_\_\_

c) Which glass is full? \_\_\_\_\_



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### Spring Term Two – Mass, capacity and temperature

Learning Intentions	Teacher
Measure in millimetres	
Measure in litres	
Temperature	

**Measure in millimetres**

How much water is in the beaker?



The volume of water in the beaker is 80 ml.

**Measure in litres**

How much water is in the bucket?



The volume of water in the bucket is 4 litres.

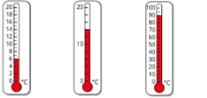
#### Temperature

**Temperature**

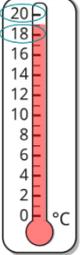
How hot or cold something is.

We can measure temperature in "degrees Celsius" or °C.

We can use a thermometer to measure temperature.




What temperature is shown?



The temperature is between 18 and 20

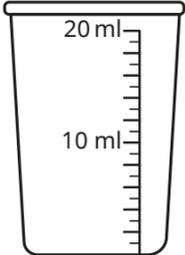
The temperature is 19°C

#### Key Vocabulary

<b>Capacity</b>	How much a container can hold
<b>Heavier</b>	Something that weighs more than another thing
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#### Assessment

Jo pours 12 ml of water into a measuring container.



Draw a line to show where the water reaches.

How much water is in each bucket?

a)



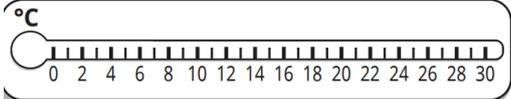
litres

b)



litres

Draw an arrow to each temperature on the thermometer.



10 °C
17 °C
29 °C

