

The Flourish Federation—Knowledge Organiser

Brookfield Infant and Junior Schools



Subject Focus:

Maths

Year 2 - Term 6

Measure (Length, Height, Weight, Capacity)

What? (Key Knowledge)

Choose and use appropriate standard units and equipment to estimate and measure:

- Length and height (mm/cm/m) → rulers
- Mass (g/kg) → balances/scales
- Capacity (ml/l) → measuring vessels
- Temperature (°C) → thermometers

Compare and order lengths, mass, volume/capacity and records results using $<$ $>$ $=$

What? (Key Vocabulary)

Vocabulary	Comments
Capacity/Volume	The maximum amount of liquid of that a
Weight/Mass	How heavy something is
Measuring Vessels/cylinders	Containers/jugs used to measure the amount of liquid
Balance Scales	Equipment used to compare weights
Scales	Equipment used to weigh something

Visuals/Diagrams

Comparing Ensure if comparing length/height both objects are at the same starting point. Use mathematical language learnt in Year 1 as well as greater than/less than/equal to symbols ($<$ $>$ $=$)

Length & Height

Use $<$, $>$ or $=$ to complete the statements.

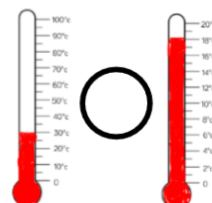
- 7 metres 17 metres
- 18 cm 18 m
- 32 cm 32 centimetres

Using the words 'more' and 'less' and the $>$ or $<$ symbols, describe the mass.



The lettuce weighs _____ than the pineapple.

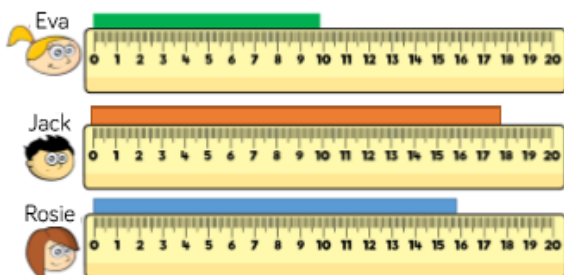
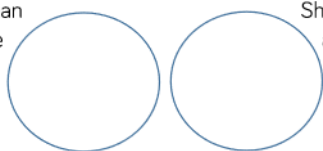
Capacity



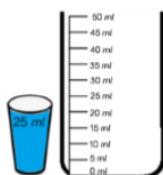
Measure Use measuring equipment to measure to the nearest cm/ml/g/°C

Longer than a metre

Shorter than a metre



Order the items from heaviest to lightest.



The container's capacity is _____ ml



Examples of Reasoning

A green pencil is twice as long as a blue pencil.

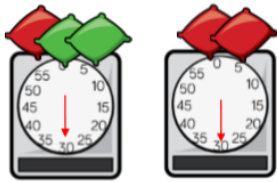


Using this, complete the statements using **longer than**, **shorter than** or **equal to**.

3 green pencils are _____ 2 blue pencils

2 green pencils are _____ 5 blue pencils

4 green pencils are _____ 8 blue pencils



Which is heavier, the red or the green beanbag?
Explain why.

3 green pencils are longer than two blue pencils.
2 green pencils are shorter than 5 blue pencils.
4 green pencils are equal to 8 blue pencils.

The red beanbag weighs more because it weighs the same as two green beanbags.



One pear weighs 10 cubes.
How many cubes will balance one pineapple?
Explain how you know.

Mo puts 4 litres of water in bucket A.
He then pours 3 litres from bucket A into bucket B.



Which sentence is correct?

- There is more in bucket A.
- There is less in bucket A.
- There are equal amounts in each bucket.

Explain why.

1 pineapple weighs 20 cubes.

There is less in bucket A because there will be 1 litre in A and 3 litres in B.

Examples of Problem Solving

Dora says,

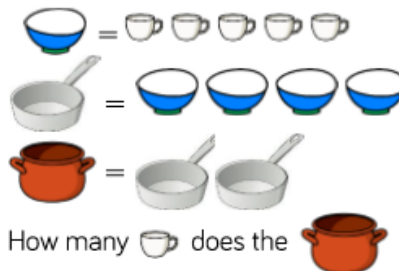
The taller you are, the longer your shoes are.



Measure the height of people in your class and measure the length of their shoes.

Is Dora correct?

Children will find different results depending on their class.



How many cups does the large pot hold?

The pot holds 40 cups of water.

Mollie took the temperature at 12 p.m. and again at 5 p.m.

There was a difference of 7°C

What could the temperatures be?

Children may give any temperatures that have a difference of 7

ICT Opportunities

Purple Mash:

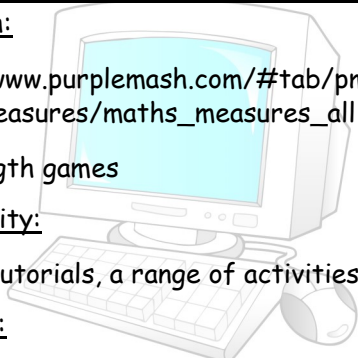
- https://www.purplemash.com/#tab/pm-home/maths/measures/maths_measures_all
- Many length games

Education City:

- Videos, tutorials, a range of activities and games

Manga High:

- A wealth of games, activities and competitions



Daily Maths

- Questioning during the register (How many people are absent? How many children are here? How many more children have school dinners than packed lunch).
- Lining up games - counting on/back, 2x, 5x and 10x table games
- Days of the week/months of the year

