



1. Comparing Mass

· *compare and order mass and record the results using >, < and =*

Fluency:

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



The lettuce weighs _____ than the pineapple.

· Choose three objects. Use the balance scales to order them from heaviest to lightest?

The _____ is heavier than the _____ but lighter than the _____.
The _____ is lighter than the _____ but heavier than the _____.

· Complete the sentences:

4 bananas weigh the same as _____ doughnuts.
2 bananas weigh the same as _____ doughnuts



Can you write sentences using 'more' or 'less' using the image?

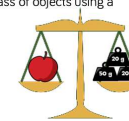
2. Measuring Mass (g)

· *choose and use appropriate standard units to estimate and measure mass to the nearest appropriate unit using scales*

Fluency:

Use gram weights to measure the mass of objects using a balance scale.

The _____ weighs _____ grams.



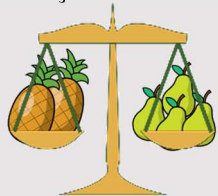
Use scales to record the mass of objects in grams.



Order the items from heaviest to lightest.



Problem solving:



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

Reasoning:



Apples weigh more than bananas.



Two doughnuts weigh the same as two bananas.

Do you agree?
Explain why.

Always, sometimes or never true?

The larger the box, the heavier it is.

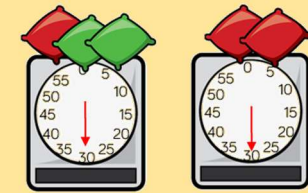
Problem solving:



The _____ weighs _____ g.

The _____ weighs _____ g.

Reasoning:



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

3. Measuring Mass (kg)

· *choose and use appropriate standard units to estimate and measure mass to the nearest appropriate unit using scales*

Fluency:

Find the mass of the sweets and the beans.



The sweets weigh _____ kg

The beans weigh _____ kg

Read the scales to find the mass of each.



The bag weighs _____ kg

The person weighs _____ kg



Sophie's family are going on holiday. Compare the mass of their suitcases.



Sophie's suitcase is _____ than Dad's suitcase.
Mum's suitcase weighs _____ kg more than Dad's suitcase.

Problem solving:

What is the mass of each barrel?



Double the mass of A



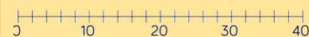
Half the mass of A

What is the difference between the mass of B and C?

Reasoning:

The brown parcel weighs twice as much as the blue parcel.
The green parcel weighs 2 kg more than 30 kg.
The blue parcel weighs 12 kg less than the green parcel.

Draw an arrow to show where each parcel would be on the scale.



Vocabulary

mass

Mass (or weight) is usually measured in grams and kilograms

weight

Weight (or mass) is usually measured in grams and kilograms

g / grams

A unit we use to measure mass. A drop of water weighs about 1g

kg / kilograms

A unit we use to measure mass. A bag of sugar weighs 1kg

scales

The equipment we use to measure mass, with a dial or display to show the weight

balance

Equipment we can use to weigh, balancing one side with a known mass on the other side