

Year 2 Maths Pack - Weight and Mass

Please Note: Extensions and ideas in the
'notes and guidance' and 'mathematical talk'
areas are optional not essential.

New guidance when each part of the learning changes is included to assist parents with each lesson.

Guidance and Ideas For Parents

Compare Mass

Notes and Guidance

Children recap on Year 1 learning by comparing the mass of different objects. They will initially use balance scales to compare the mass of two or more objects.

Children compare mass using $<$ and $>$ and order objects based on their masses.

Mathematical Talk

Look at the scale, which side is lower?
What does this tell us about the objects?

Which object is heavier? Which object is lighter?

Can you hold the objects and predict which is heavier?
Is a largest object always the heaviest?

Lesson 1 Monday 1st June:

Activity 1

Find a selection of objects and use your hands to compare their weight. Put them in order of heaviest to lightest.

Activity 2

Looking at the objects you have ordered, complete these sentences:

The _____ is heavier than _____.

The _____ is lighter than _____.

The _____ is the same weight as the
_____.

Activity 3

Find the heaviest and lightest object you can in your house.

Lesson 2 Tuesday 2nd June:

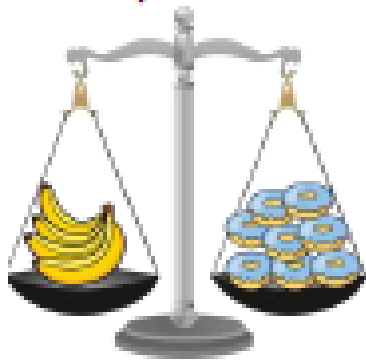
Activity 1

Recap on weight, using the language heavier and lighter.

Just because an object is big, does it mean it's heavy?

Activity 2

Complete the sentences:

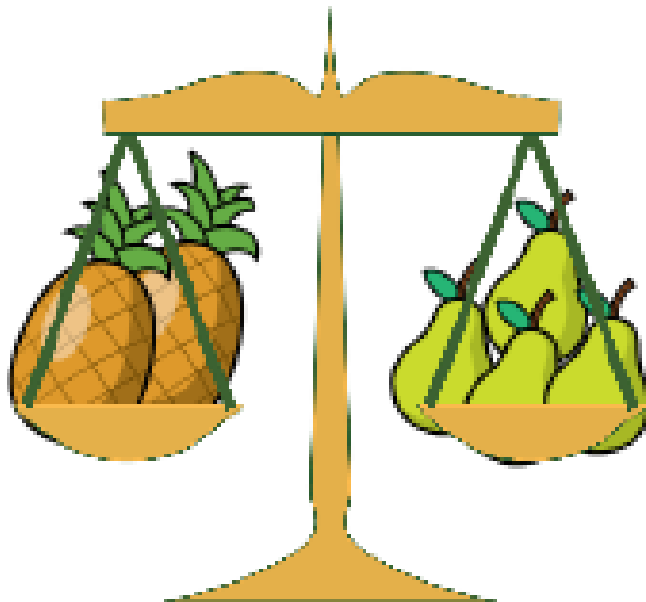


4 bananas weigh the same as ___ doughnuts.

2 bananas weigh the same as ___ doughnuts

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

Activity 3



One pear weighs 10 cubes.

How many cubes will balance one pineapple?

Explain how you know.

Guidance and Ideas For Parents

Measure Mass (g)

Notes and Guidance

In Year 2, the children use standard units of mass (grams) for the first time. They continue to use balance scales before moving on to use standard weighing scales.

Children apply their counting in 2s, 5s and 10s skills to reading scales accurately. They should see a variety of scales with different intervals. Give children the opportunity to feel the mass of gram weights so they can use this for estimation.

Mathematical Talk

When the balance scales are level, what does this tell us?

What symbol could we use? (=)

What is the mass of the _____?

What would two _____ weigh?

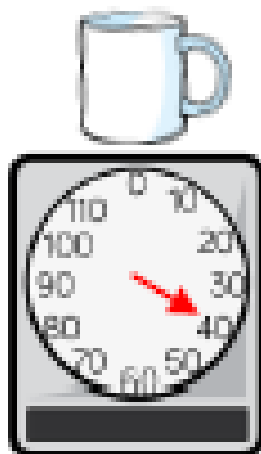
How could you tell if something was lighter or heavier than 10g?

How much heavier is the _____ than the _____? How could you work it out?

Lesson 3 Wednesday 3rd June:

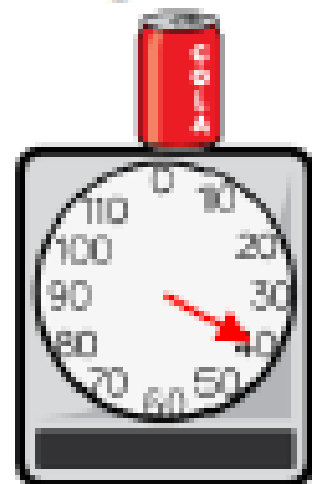
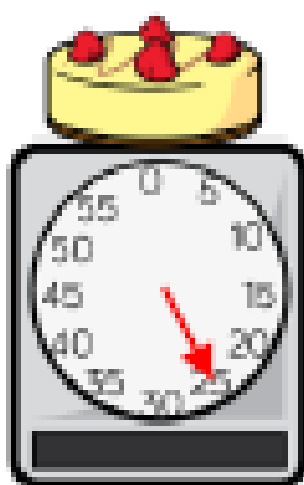
Activity 1

Use scales to record the mass of objects in grams.

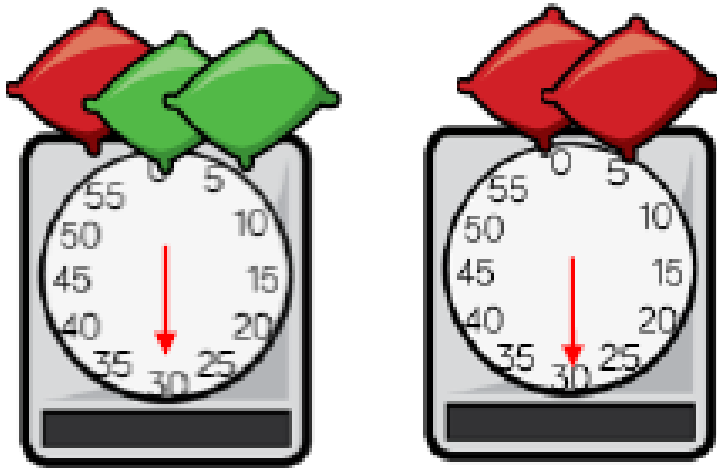


Activity 2

Order the items from heaviest to lightest.



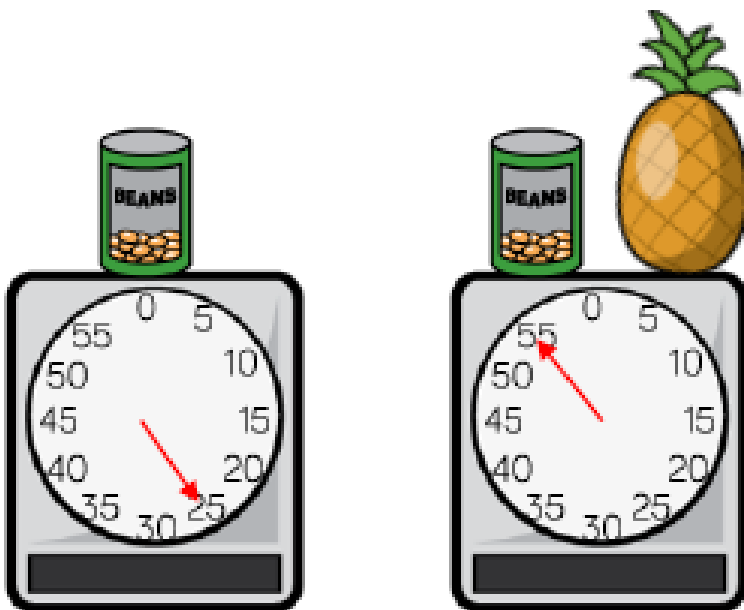
Activity 3



Which is heavier, the red or the green beanbag?

Explain why.

EXTENSION



The  weighs g.

The  weighs g.

Guidance and Ideas For Parents

Measure Mass (kg)

Notes and Guidance

Children use their knowledge of measuring mass in grams to start to measure mass in kilograms.

They apply counting in 2s, 5s and 10s to measure on different scales.

Give children the opportunity to feel the mass of kilogram weights and real life objects that weigh 1 kg so they can use this to estimate.

Mathematical Talk

Which is heavier, one gram or one kilogram?

What else do you think we might measure in kilograms?

How much do you think that you weigh? Would you measure this in grams or kilograms? Shall we estimate and then weigh ourselves?

Can you make up some different questions about the suitcases? What words can you use to compare?

Lesson 4 Thursday 4th June:

Activity 1

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.

Activity 2

I'm thinking of an object. It is heavier than a pencil, but lighter than a dictionary.

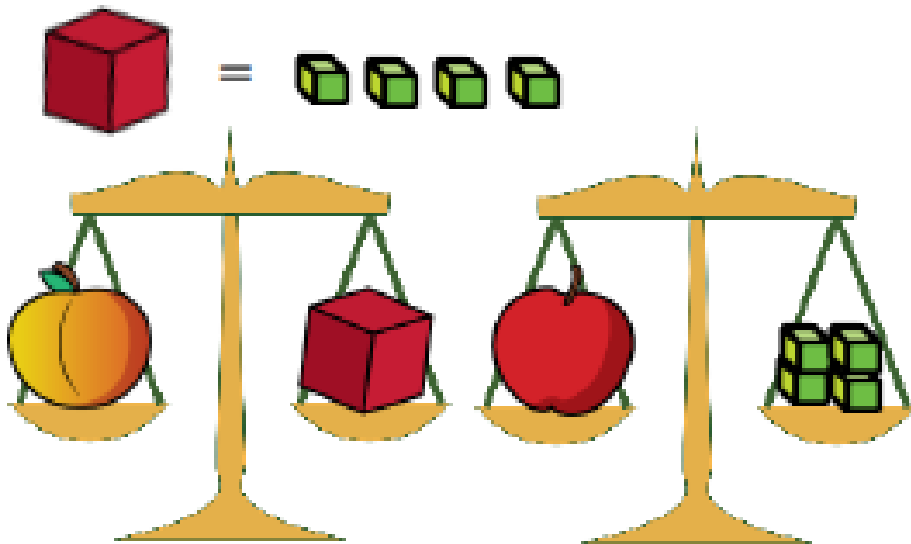


What object could Jack be thinking of?

Prove it.

How many objects can you think of?

Activity 3



Amir says,



The apple is heavier than the peach, because it weighs 4 cubes.

Teddy says,



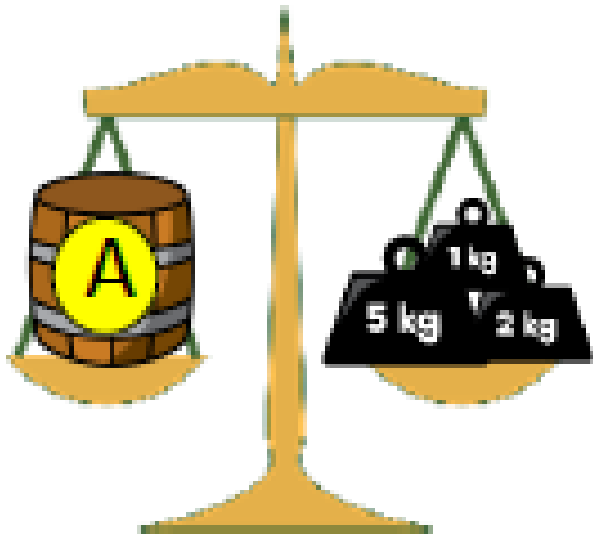
The apple and the peach weigh the same.

Who do you agree with?
Explain why.

Lesson 5 Friday 5th June:

Activity 1

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?

Activity 2

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.

