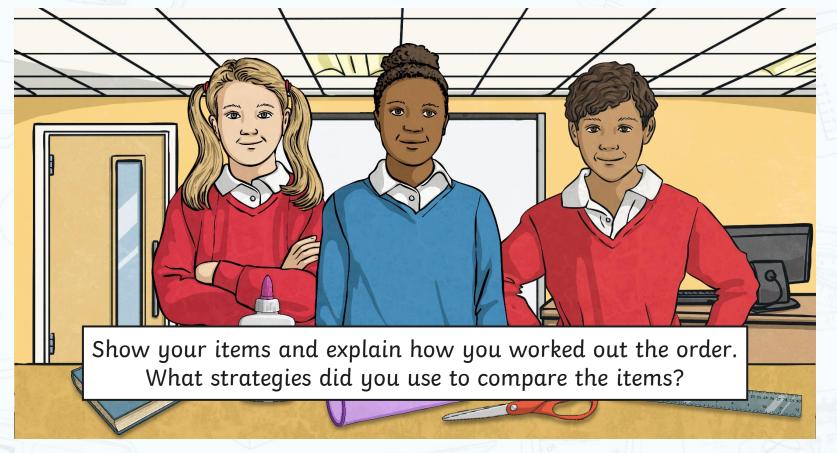


Order It - Mass

223

Work with your group to collect five objects.

Order them from heaviest to lightest.



Estimate the Mass

Whole Class

Look at the food items.

Estimate their mass in grams and order them from heaviest to lightest.



Weighing in Grams

Whole Class

A gram is a very small unit for measuring mass. A paperclip and a raisin both weigh about 1 gram.

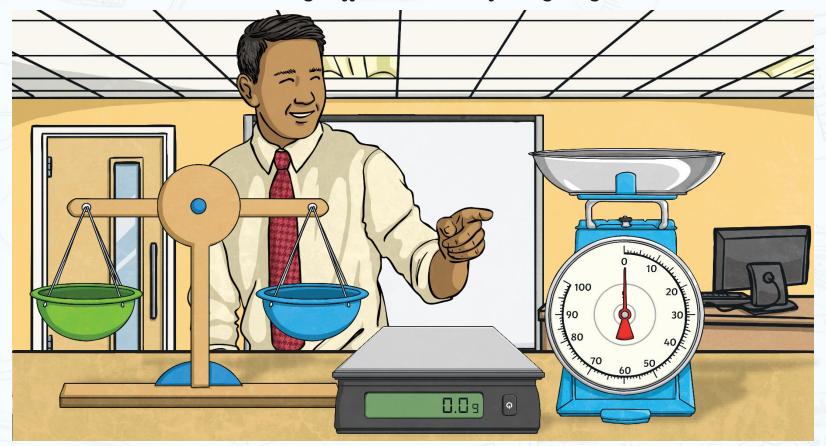


Weighing in Grams

Whole Class

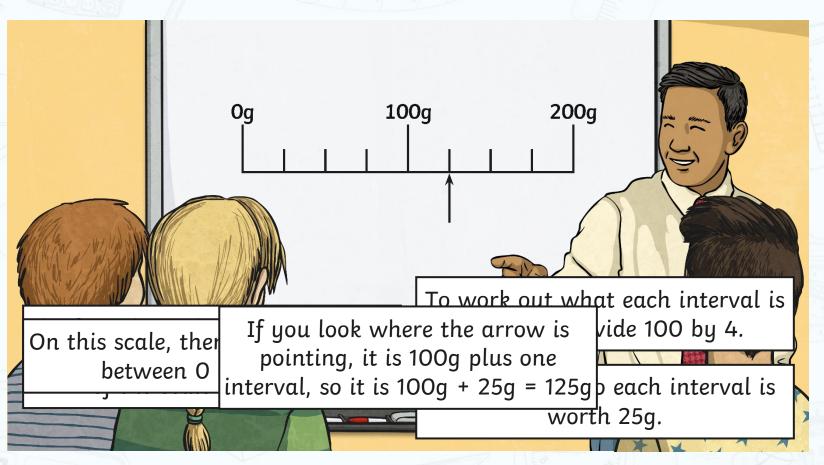
It is more accurate to use weighing scales to measure in grams.

There are many different sorts of weighing scales:



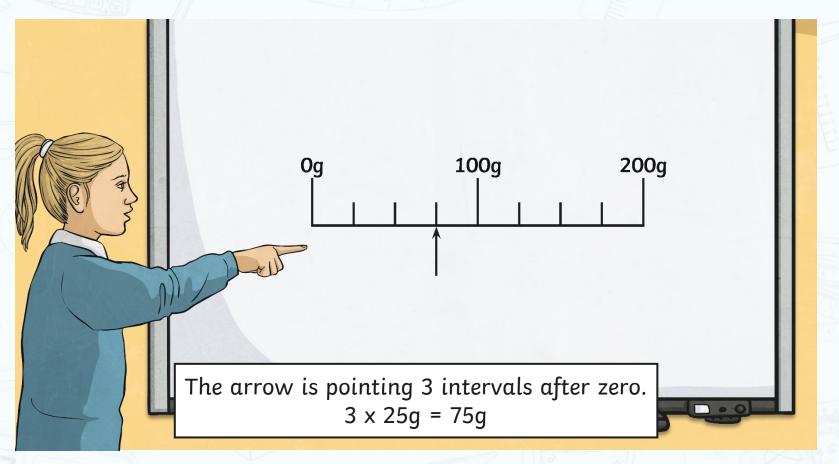


We are going to learn how to use analogue scales.



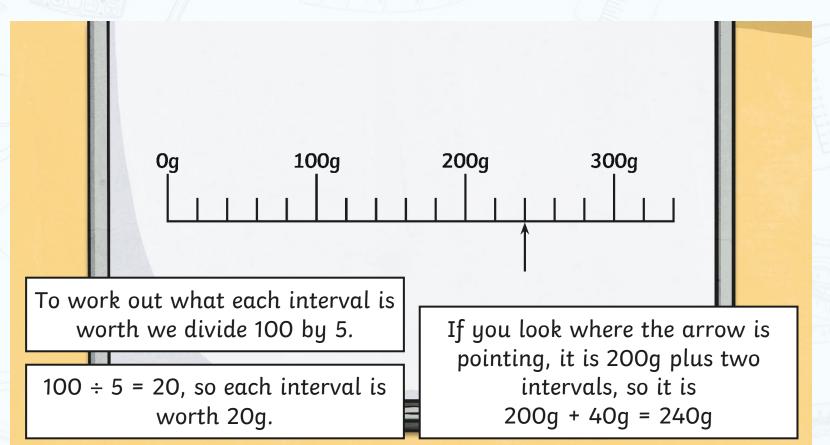


This is the same scale. What is the arrow pointing to now?





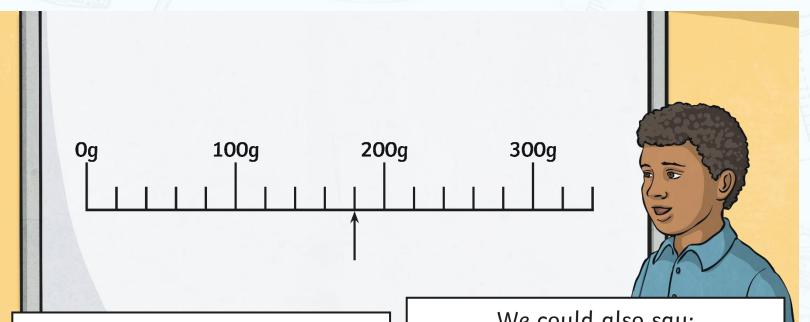
On this scale, there are 5 intervals between 0 and 100g.



Dounds



This is the same scale. What is the arrow pointing to now?

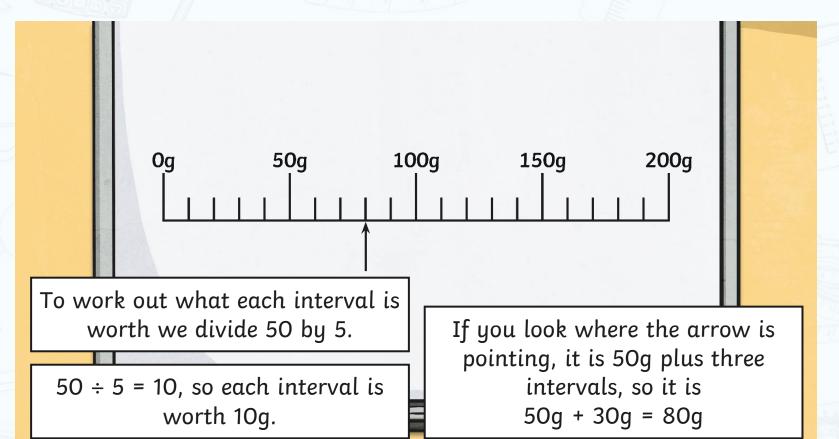


The arrow is pointing 1 interval before 200g.
200g - 20g = 180g

We could also say:
The arrow is pointing 4 intervals
after 100g.
100g + 80g = 180g



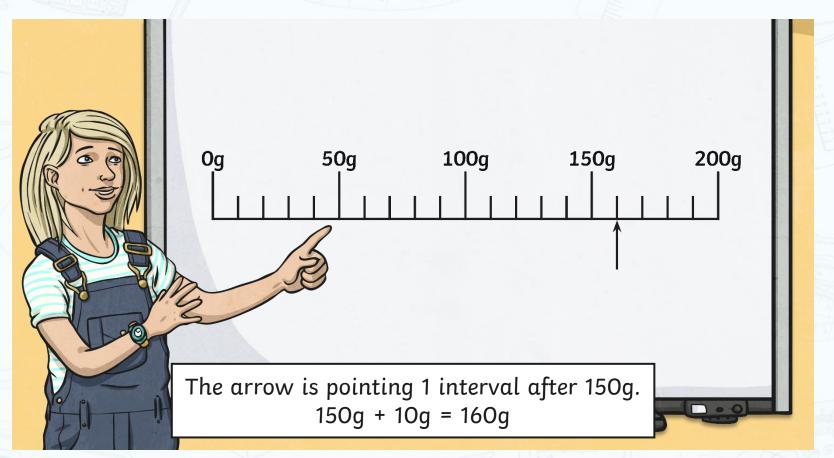
On this scale, there are 5 intervals between 0 and 50g.



Dounds

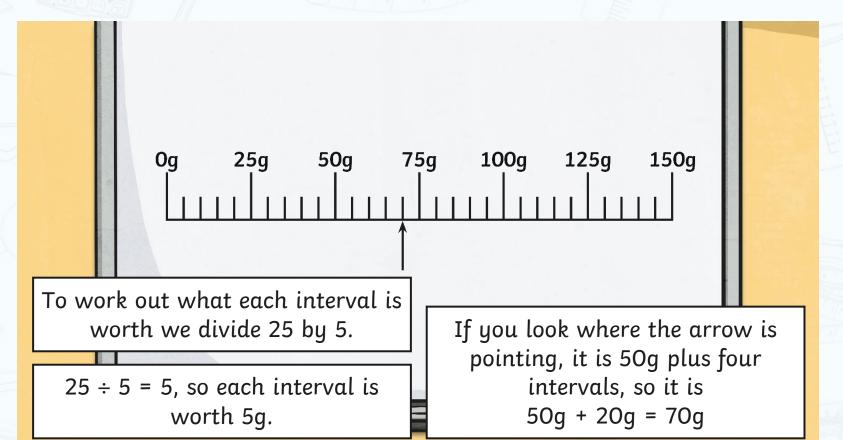


This is the same scale. What is the arrow pointing to now?





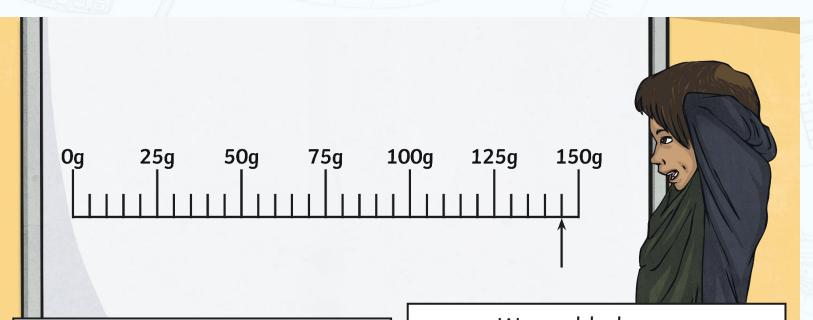
On this scale, there are 5 intervals between 0 and 25g.



Dounds &.



This is the same scale. What is the arrow pointing to now?



The arrow is pointing 1 interval before 150g.

150g - 5g = 145g

We could also say:
The arrow is pointing 4 intervals
after 125g.
125g + 20g = 145g



On this scale, there are 10 intervals between 0 and 100g.

Og 100g 200g 300g 400g 500g 600g 700g 800g 900g

To work out what each interval is worth we divide 100 by 10.

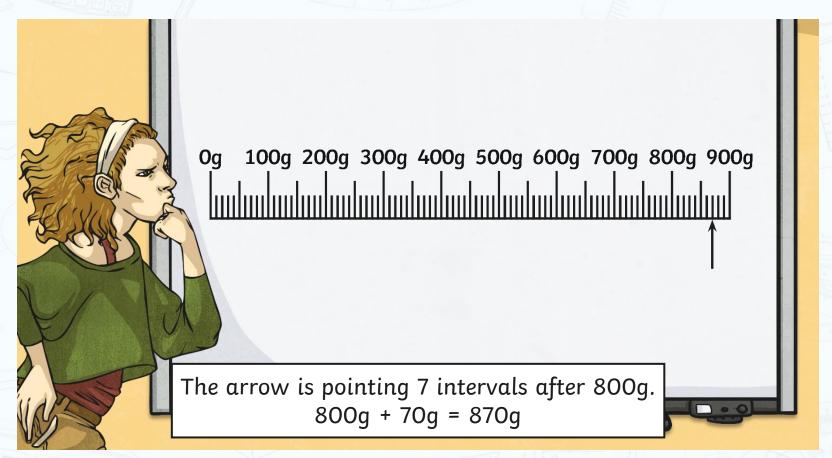
 $100 \div 10 = 10$, so each interval is worth 10g.

If you look where the arrow is pointing, it is 200g plus five intervals, so it is 200g + 50g = 250g

Dounds



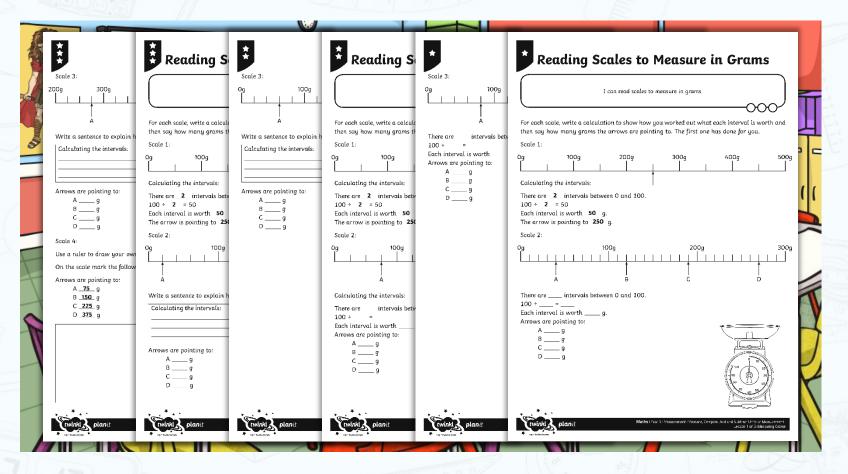
This is the same scale. What is the arrow pointing to now?



Measure in Grams



Use your mass measuring mastery to complete these activity sheets.



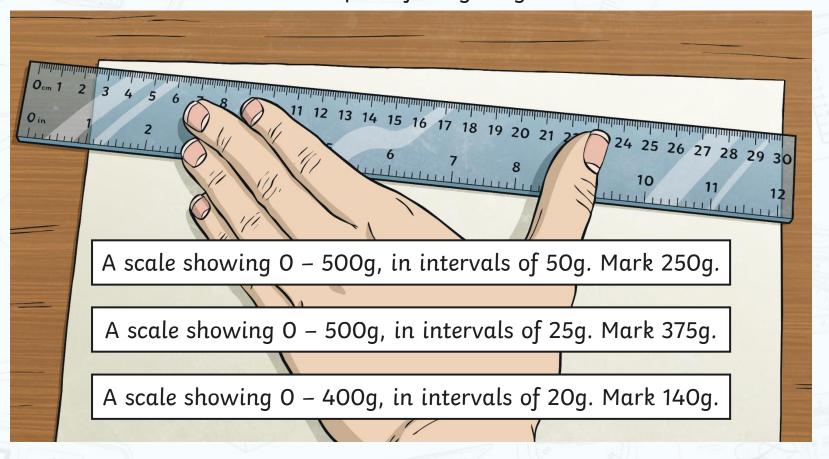
A 5 6 7 8 9 10 11 12 13 16

Draw Your Own



Using a pencil and ruler, draw your own scales and mark the mass shown.

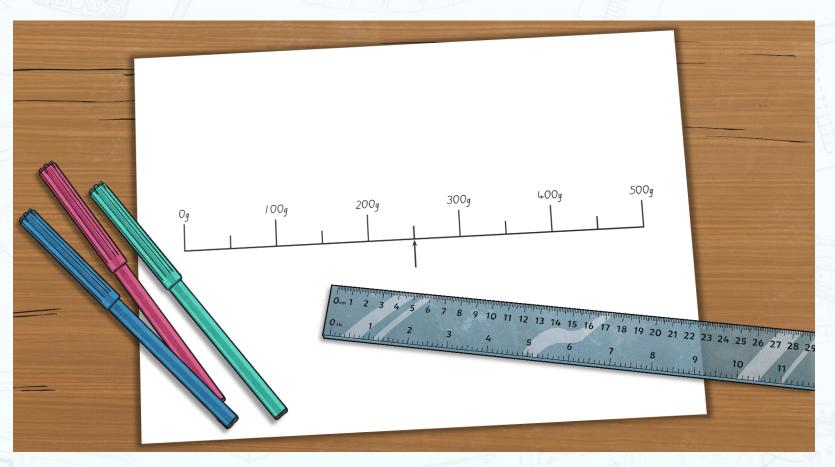
Label multiples of 100g on your scale.



Draw Your Own Answers



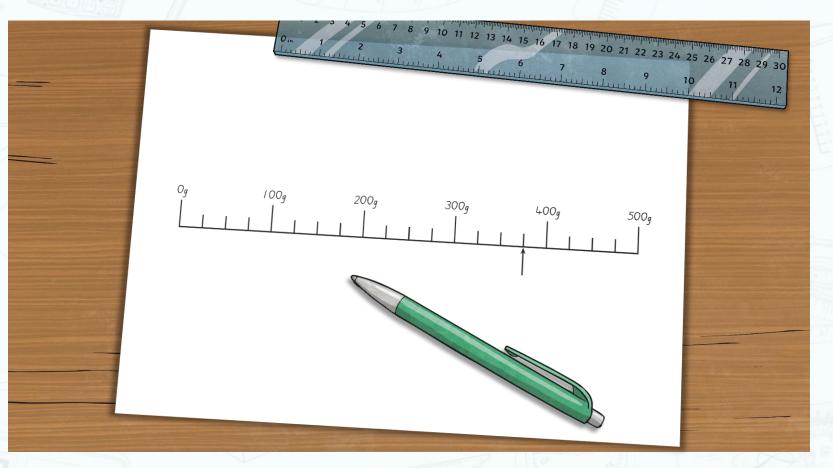
A scale showing 0 - 500g, in intervals of 50g. Mark 250g.



Draw Your Own Answers



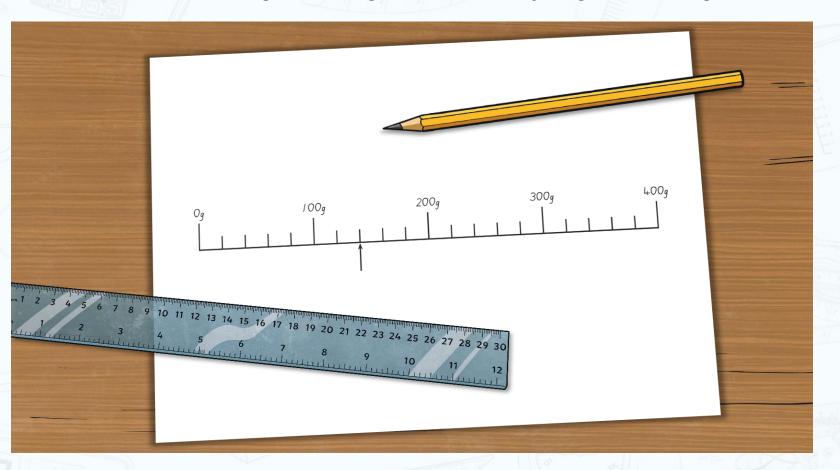
A scale showing 0 - 500g, in intervals of 25g. Mark 375g.



Draw Your Own Answers



A scale showing 0 - 400g, in intervals of 20g. Mark 140g.



• I can measure mass in grams.



Success Criteria

- I can calculate the intervals on a scale.
- I can read scales to measure in grams.

