Tuesday 9th June 2020

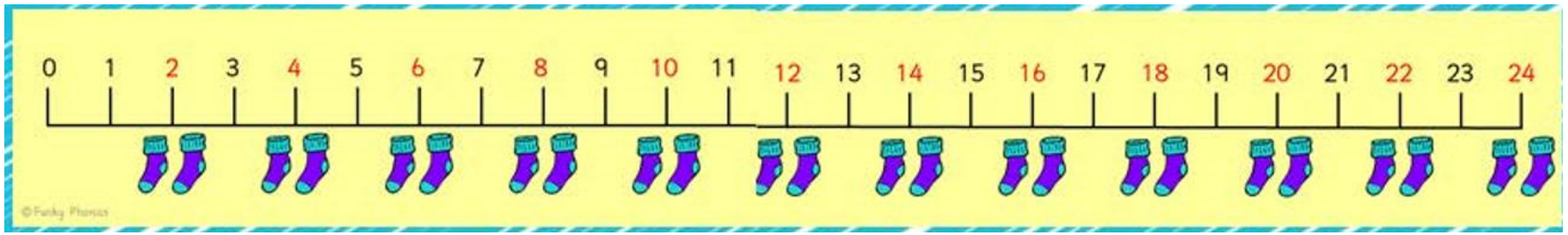
Lesson: 2

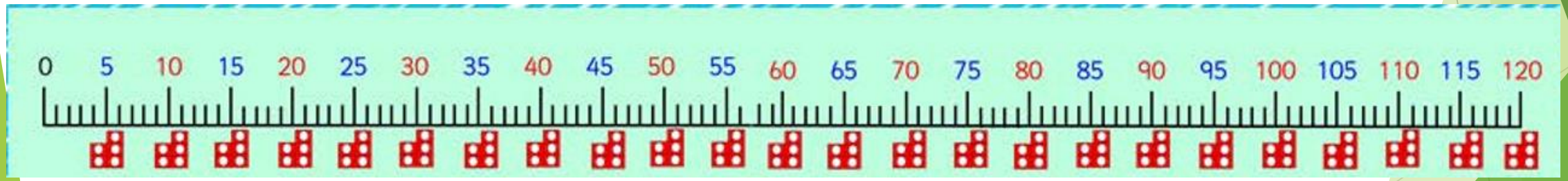
To be able to measure mass in grams

Success criteria:

- ✓ I can measure mass in grams (applying my knowledge of counting in 2s, 5s and 10s and 20s)
- ✓ I can explain my reasoning

Counting – practise counting in 2s, 5s, 10s & 20s





0 20 40 60 80 100 120 140 160 180 200

To be able to measure mass in grams

This time we will compare the object with gram measures.

This balance scale use gram weights, when they are balanced we can count the gram weights.

What is the mass of the egg? (count in 20s)

Explain your answer.

To be able to measure mass in grams

60 grams

Did you count in 20s?

20,40,60

To be able to measure mass in grams

Talking Time:

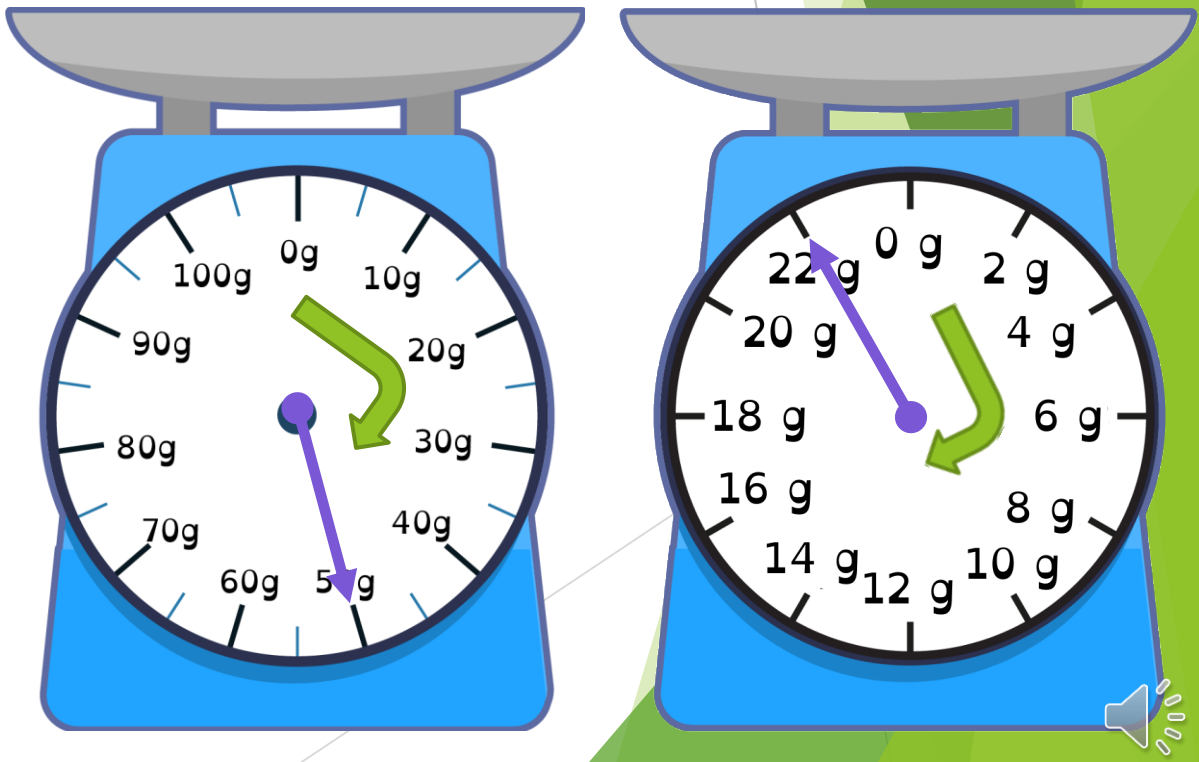
Mass is often measured with scales like this.

Have you got some weighing scales at home?

What do they look like?

The scales work like a clock – starting at the top and going clockwise to where the needle is pointing.

What numbers are the needles pointing to here?

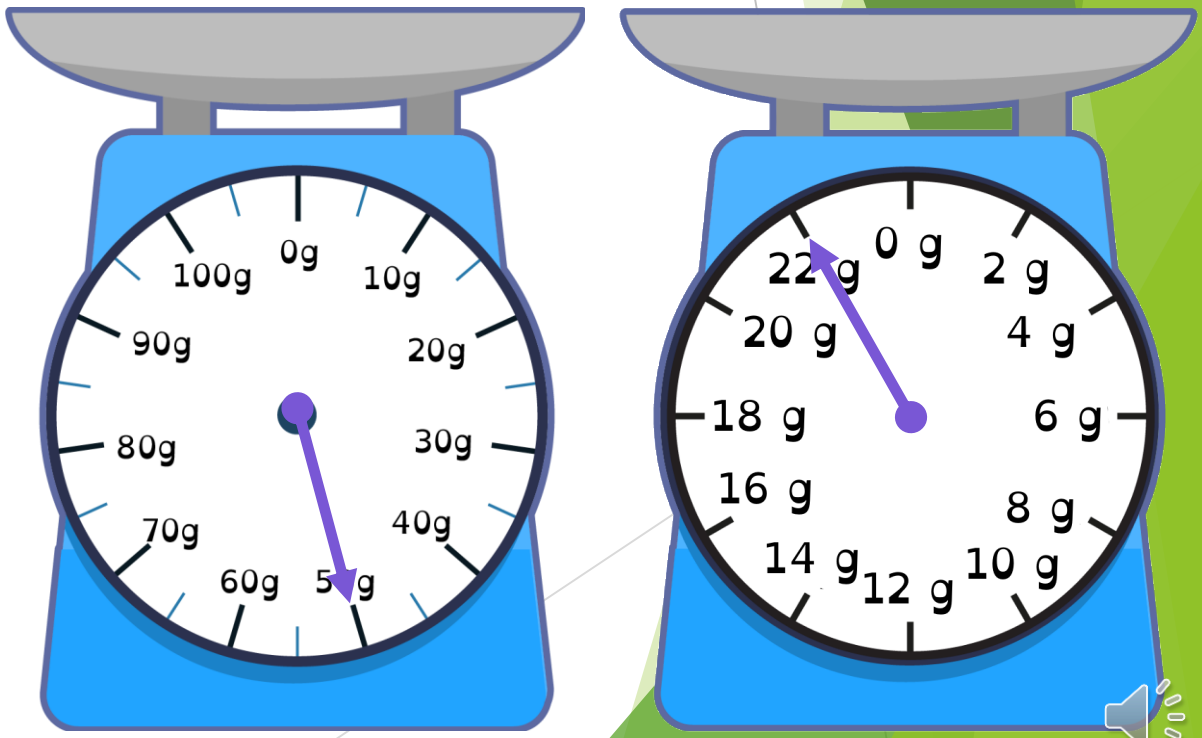


To be able to measure mass in grams

Talking Time:

Using a range of different weights and scales, explore measuring objects found inside and outside of the classroom.

Teacher / peer assessment



To be able to measure mass in grams

Talking Time:

Complete the sentence below. (say it or write it.

The pen weighs ___ g.

To be able to measure mass in grams

Talking Time:

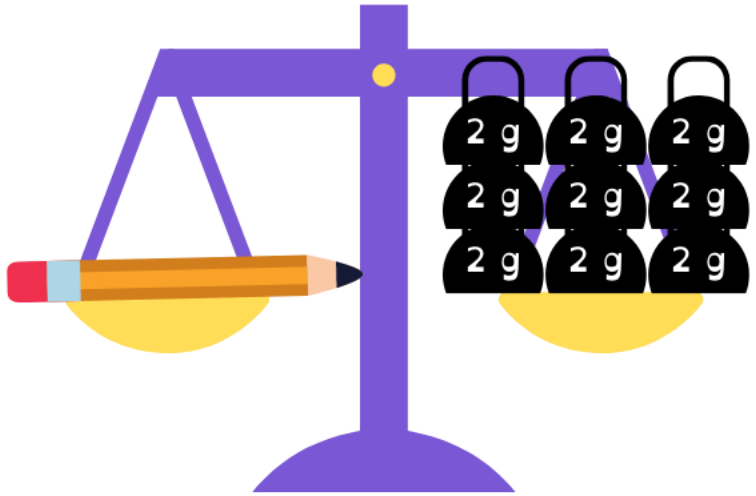
Complete the sentence below.

The pen weighs 10 g.

To be able to measure mass in grams

Activity 1:

Complete the sentence below.

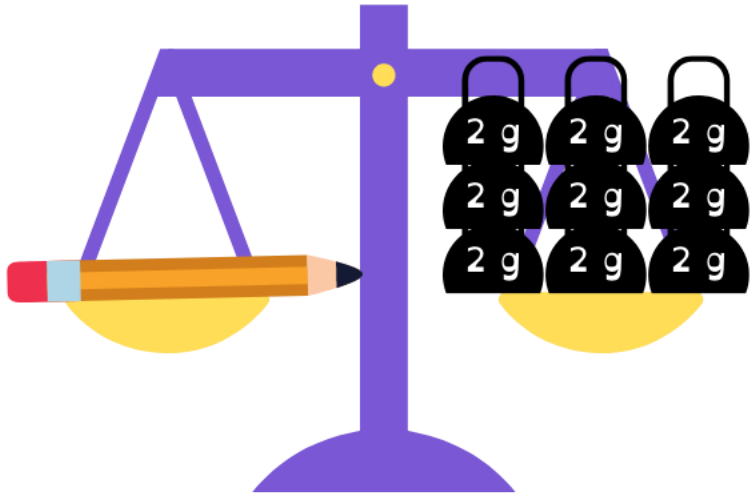


The pencil weighs ___ g.

To be able to measure mass in grams

Activity 1:

Complete the sentence below.



The pencil weighs **18** g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs ___ g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs 8 g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs ___ g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs **14** g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs ___ g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The fish weighs **18** g.

To be able to measure mass in grams

Activity 2:

Complete the sentence below.

The fish weighs ___ g.

To be able to measure mass in grams

Activity 2:

Complete the sentence below.

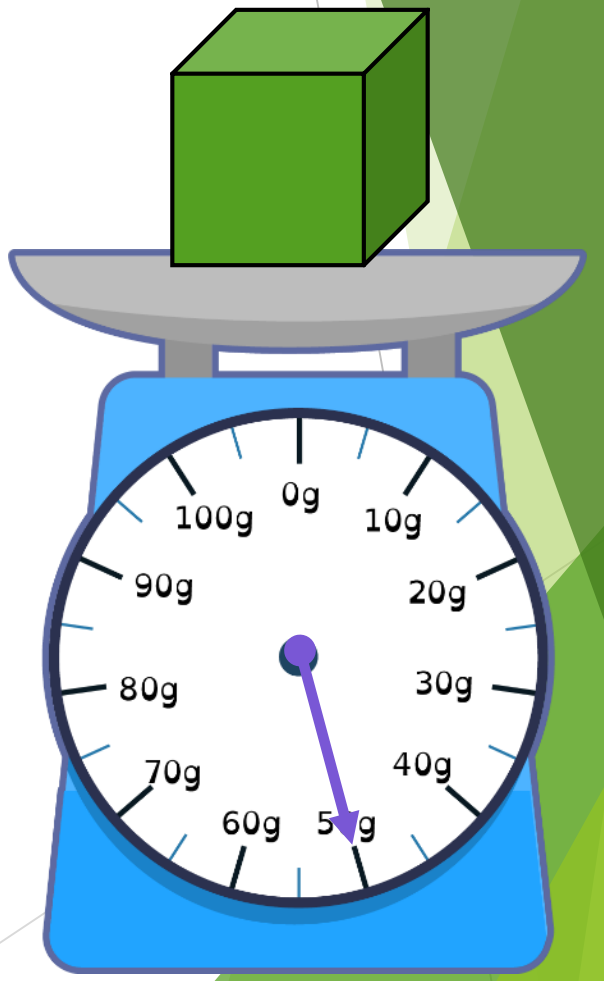
The fish weighs 22 g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

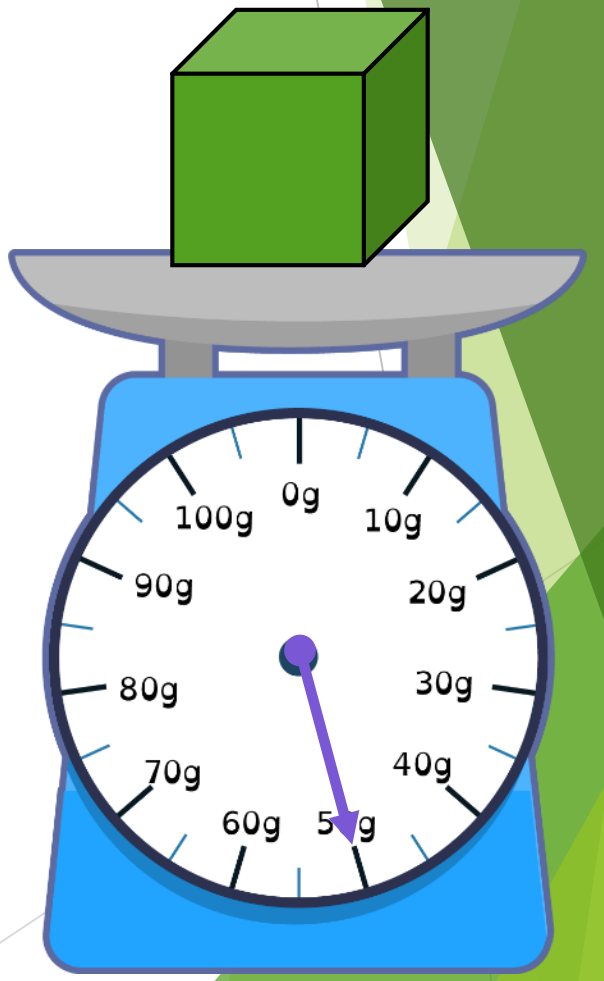
The cube weighs ___ g.



To be able to measure mass in grams

Talking Time:

Complete the sentence below.



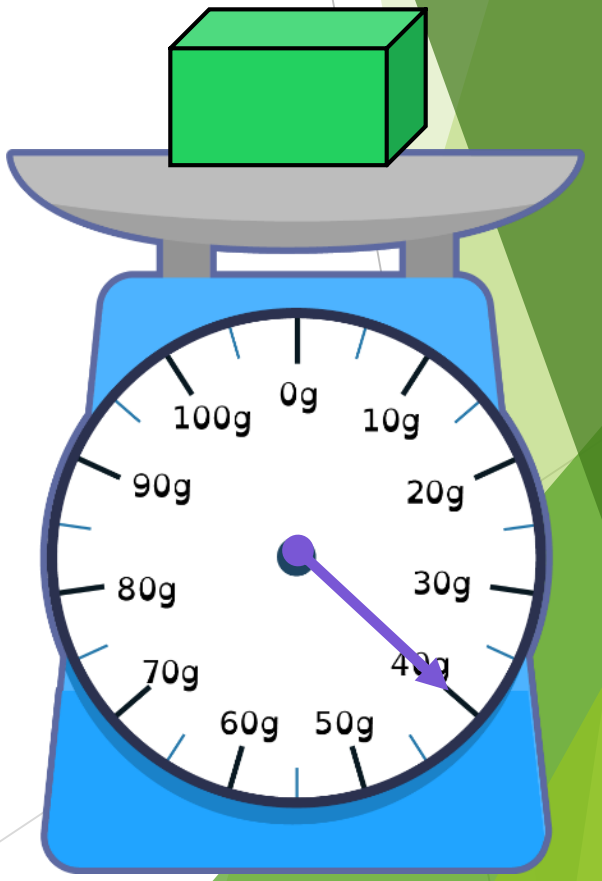
The cube weighs **50** g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

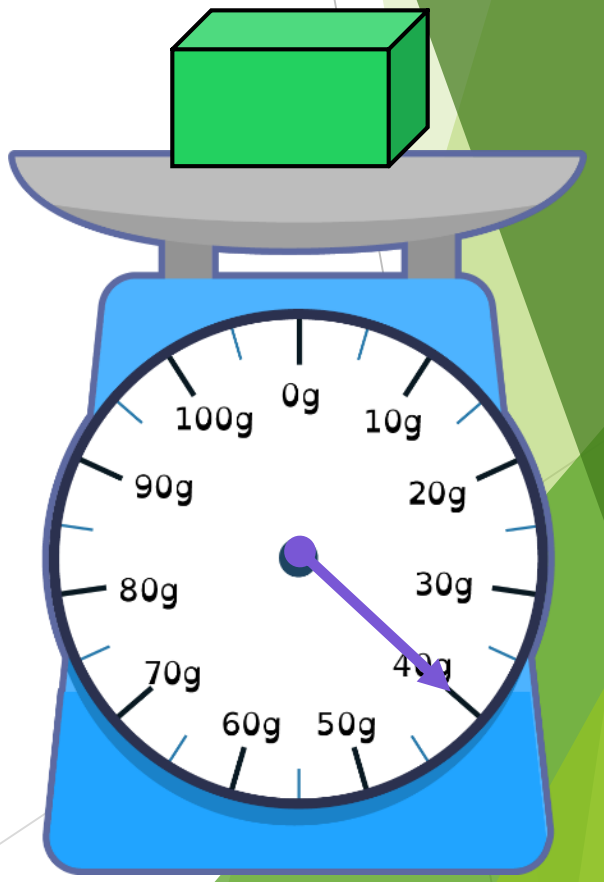
The cuboid weighs ___ g.



To be able to measure mass in grams

Talking Time:

Complete the sentence below.



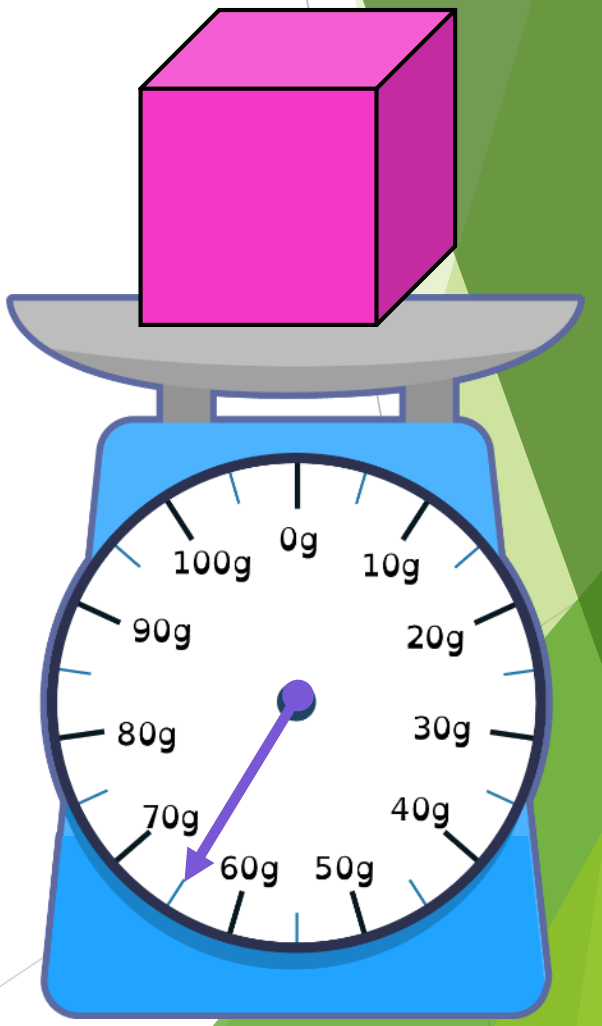
The cuboid weighs **40** g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

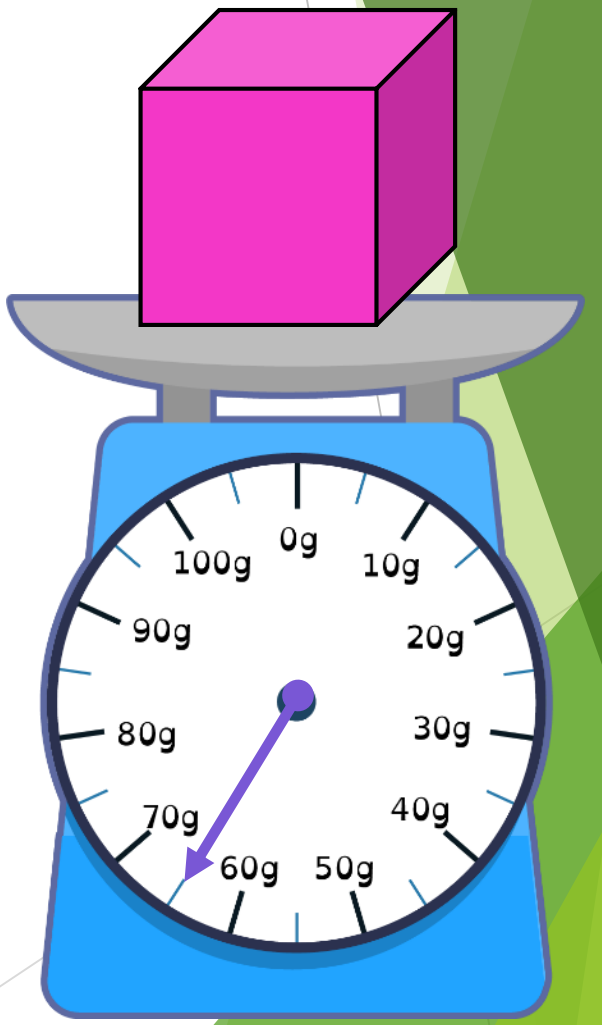
The cube weighs ___ g.



To be able to measure mass in grams

Talking Time:

Complete the sentence below.



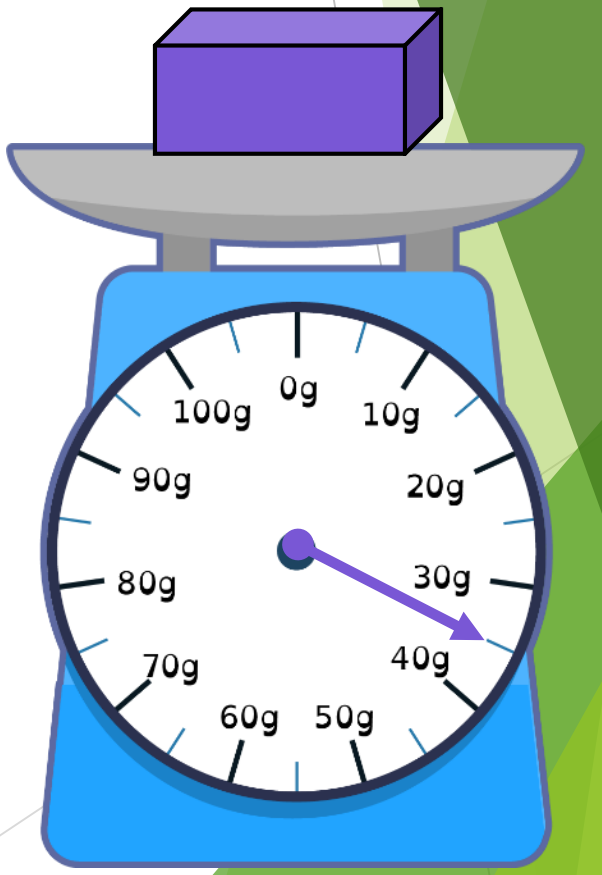
The cube weighs 65 g.

To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The cuboid weighs ___ g.

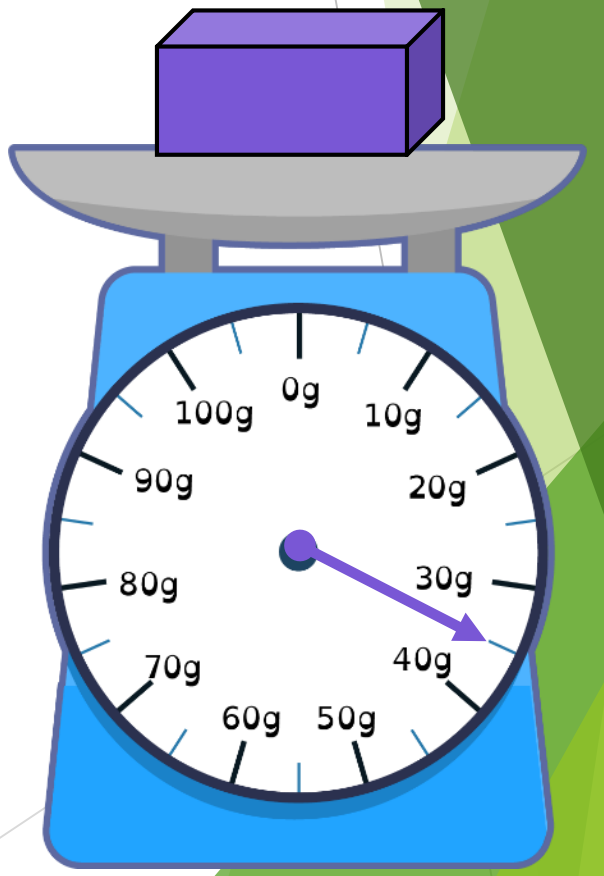


To be able to measure mass in grams

Talking Time:

Complete the sentence below.

The cuboid weighs 35 g.



To be able to measure mass in grams

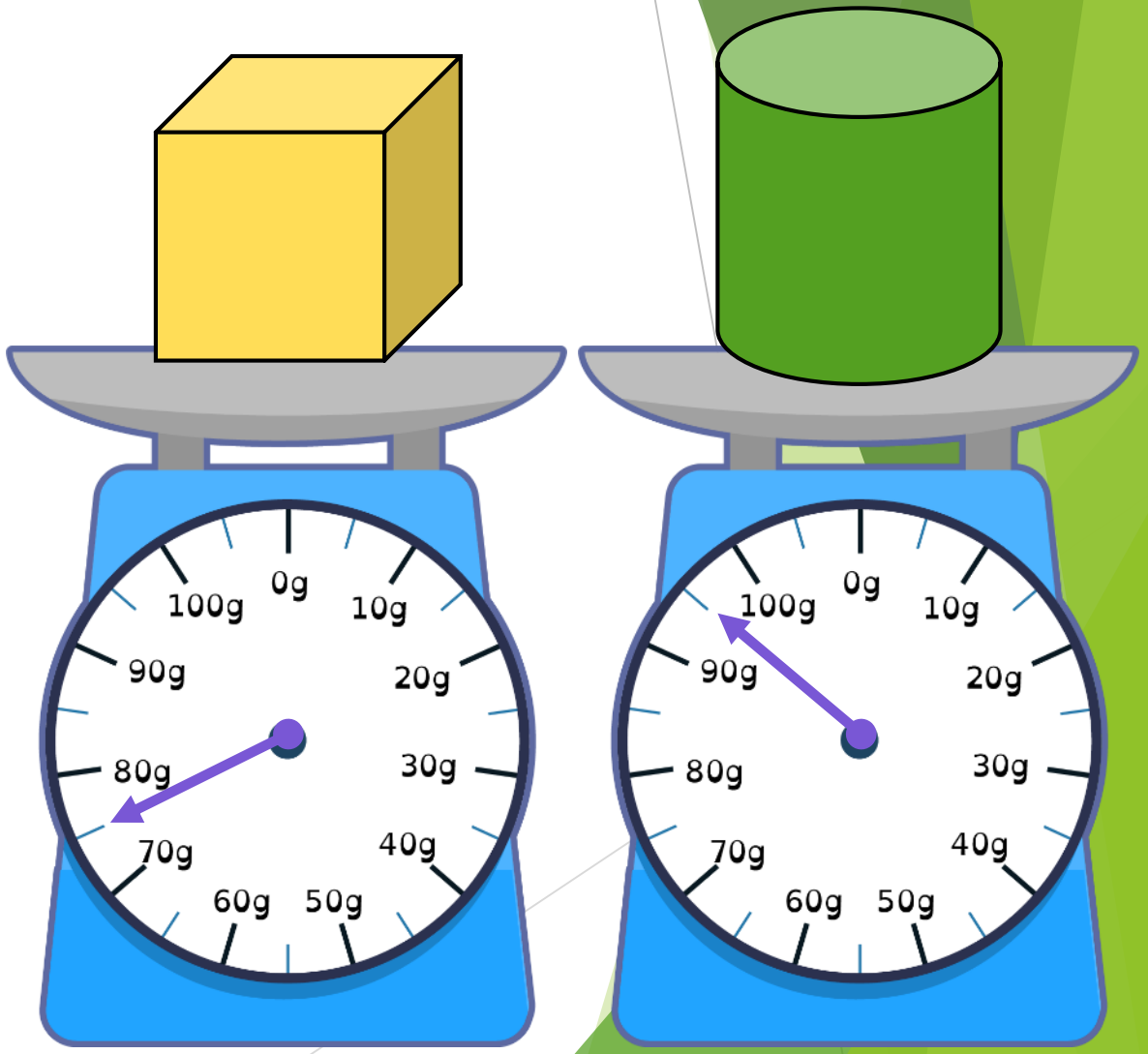
Activity 3:

Complete the sentences below.

The cube weighs ___ g.

The cylinder weighs ___ g.

The _____ is heavier than the _____.



To be able to measure mass in grams

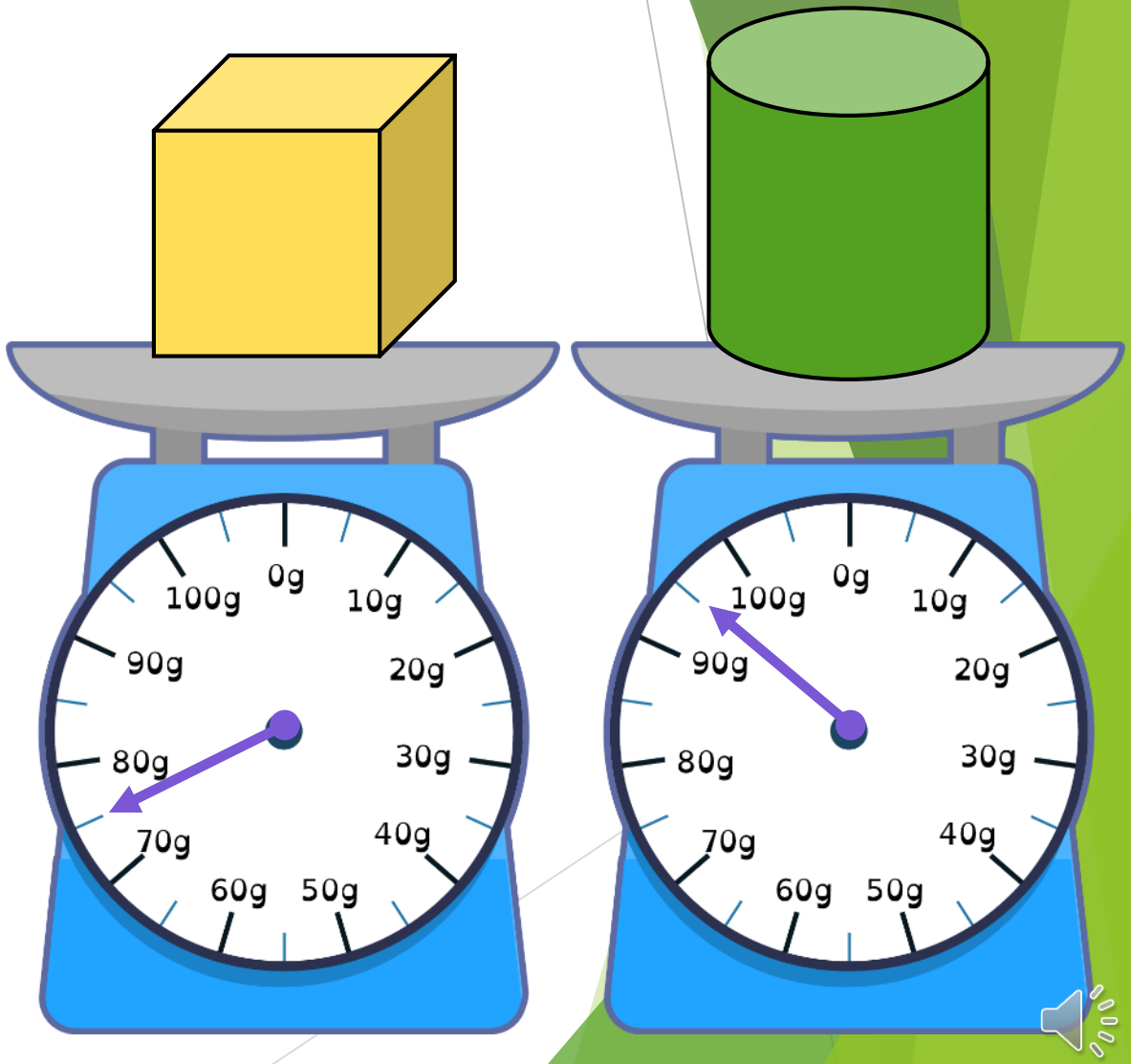
Activity 3:

Complete the sentences below.

The cube weighs 75 g.

The cylinder weighs 95 g.

The cylinder is heavier than the cube.

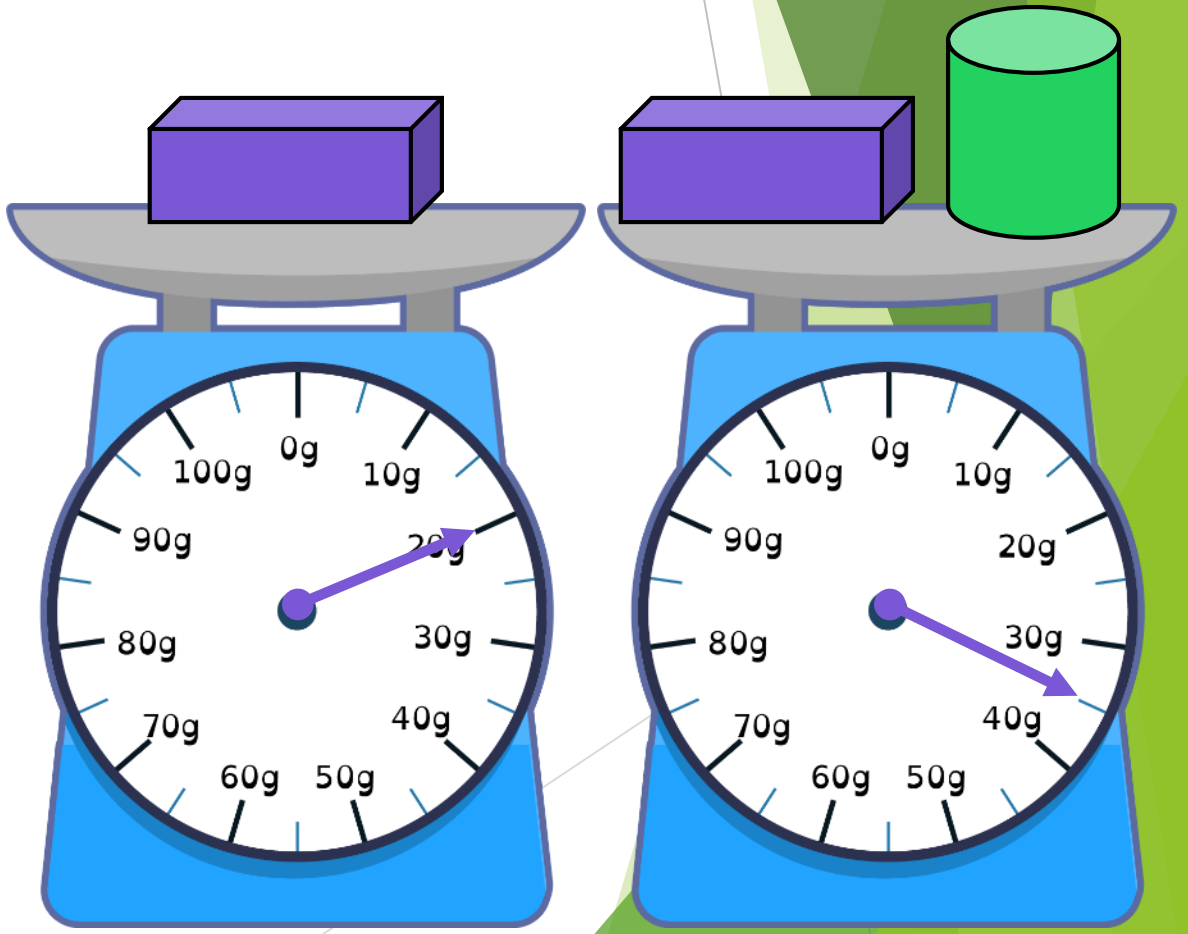


To be able to measure mass in grams

Activity 4:

Which is heavier, a cuboid or a cylinder?

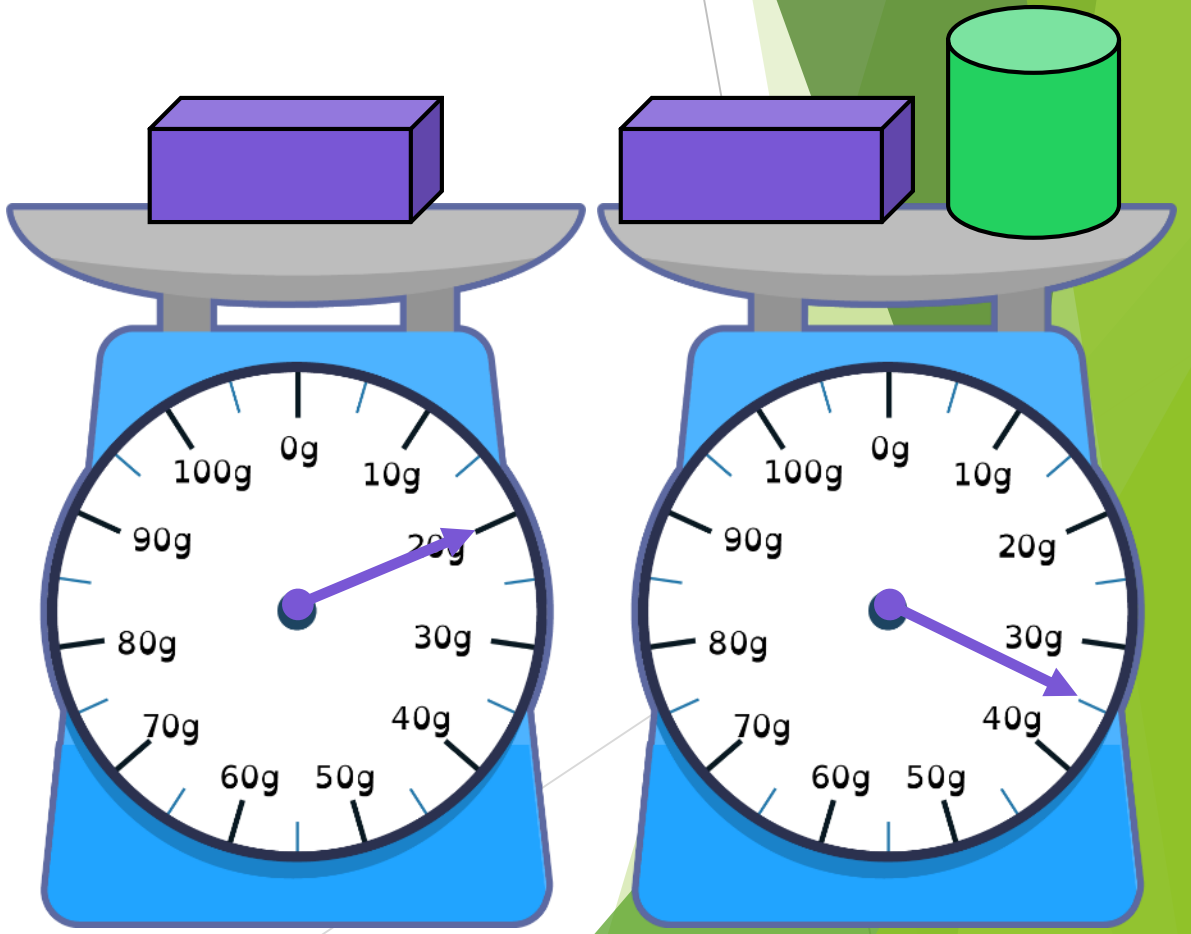
Explain your answer.



To be able to measure mass in grams

Activity 4:

Which is heavier, a cuboid or a cylinder?



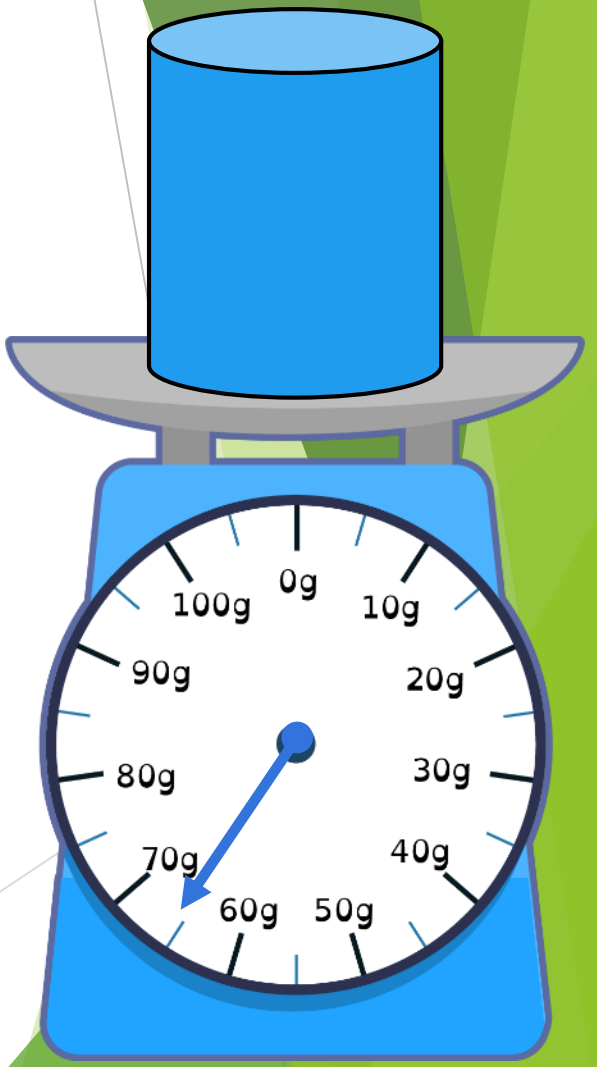
A cuboid is heavier than a cylinder, as a cuboid weighs 20 g. A cylinder weighs 35 g – 20 g = 15 g (less than 20 g).

To be able to measure mass in grams

Evaluation:

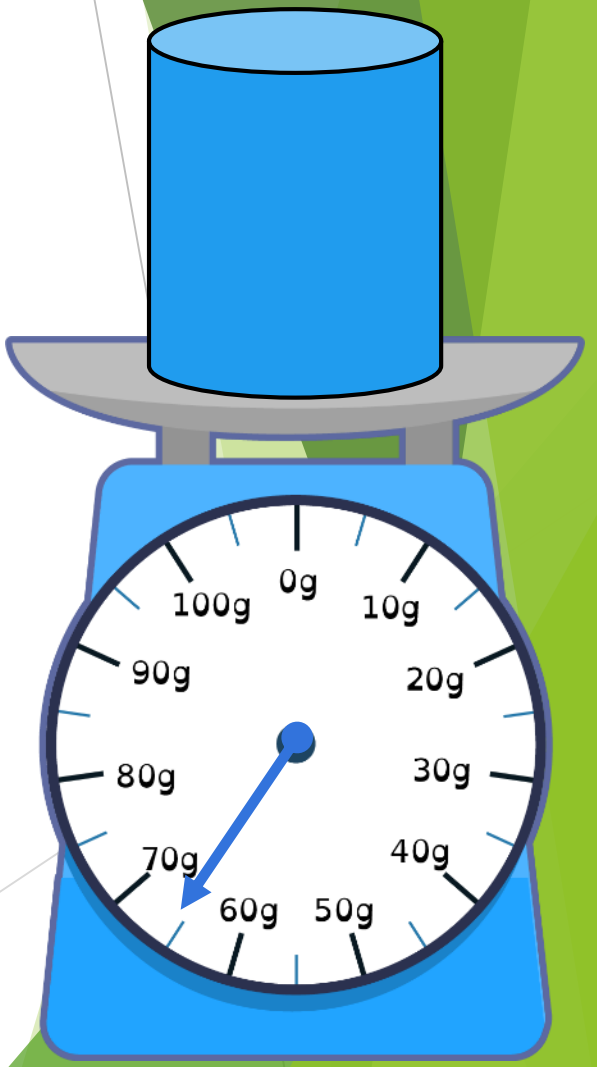
Do you agree?

Explain your answer.



To be able to measure mass in grams

Evaluation:



Yes, I agree. The arrow is pointing just after the 65 g mark.
So, 66 g is a good estimate!

To be able to measure mass in grams

How did you get on?

Success criteria:

- ✓ I can use measure mass in grams, applying my knowledge of counting in 2s, 5s and 10s to do so
- ✓ I can explain my reasoning to measure mass in grams, applying my knowledge of counting in 2s, 5s and 10s when doing so