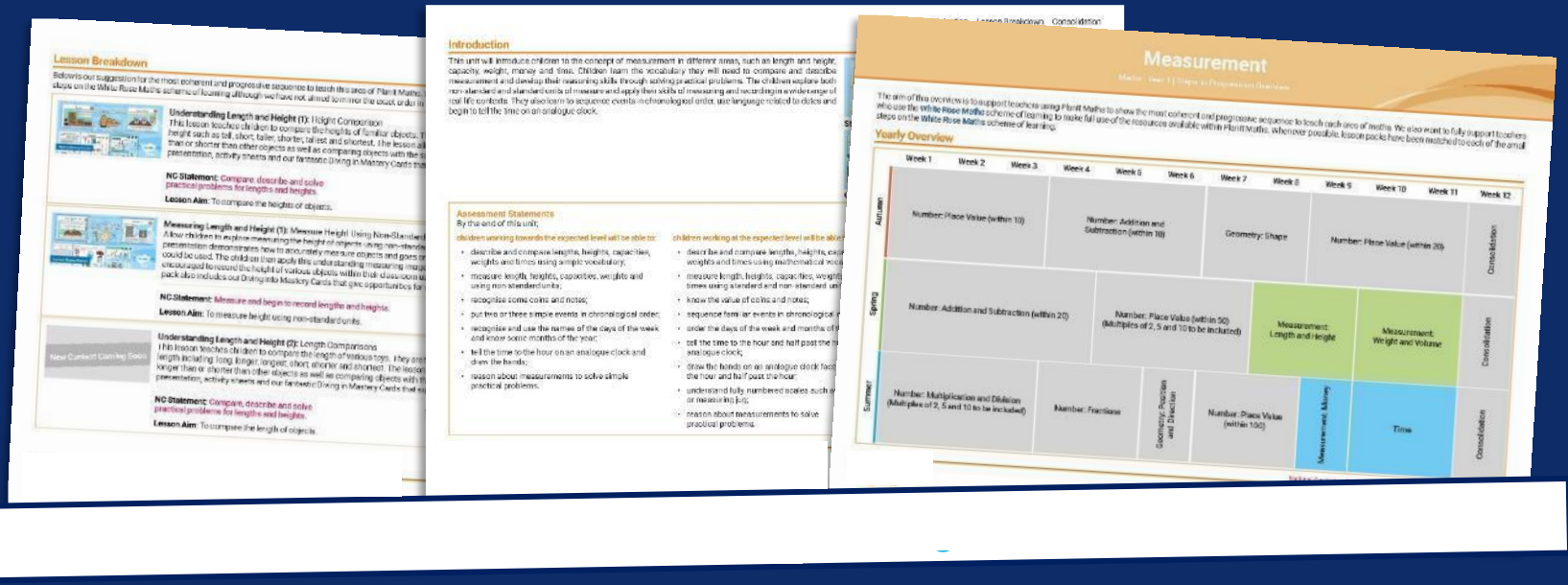
Maths

Measurement

Need a coherently planned sequence of lessons to complement this resource?



Comparing Mass

Aim

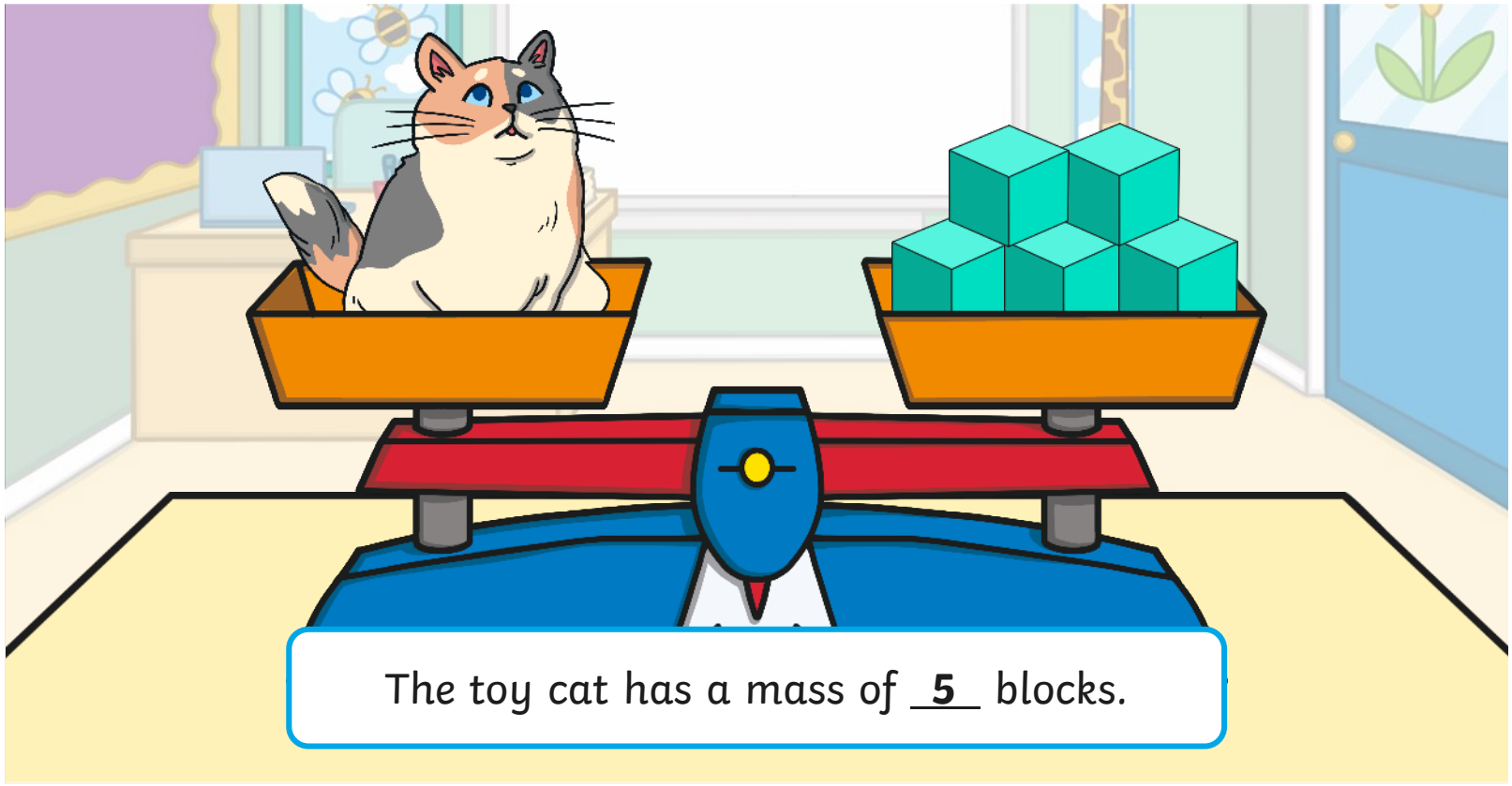
- To compare mass.

Success Criteria

- I can identify which object is heavier.
- I can identify which object is lighter.
- I can use accurate vocabulary to describe and compare mass.
- I can order objects according to their mass.

Remember It

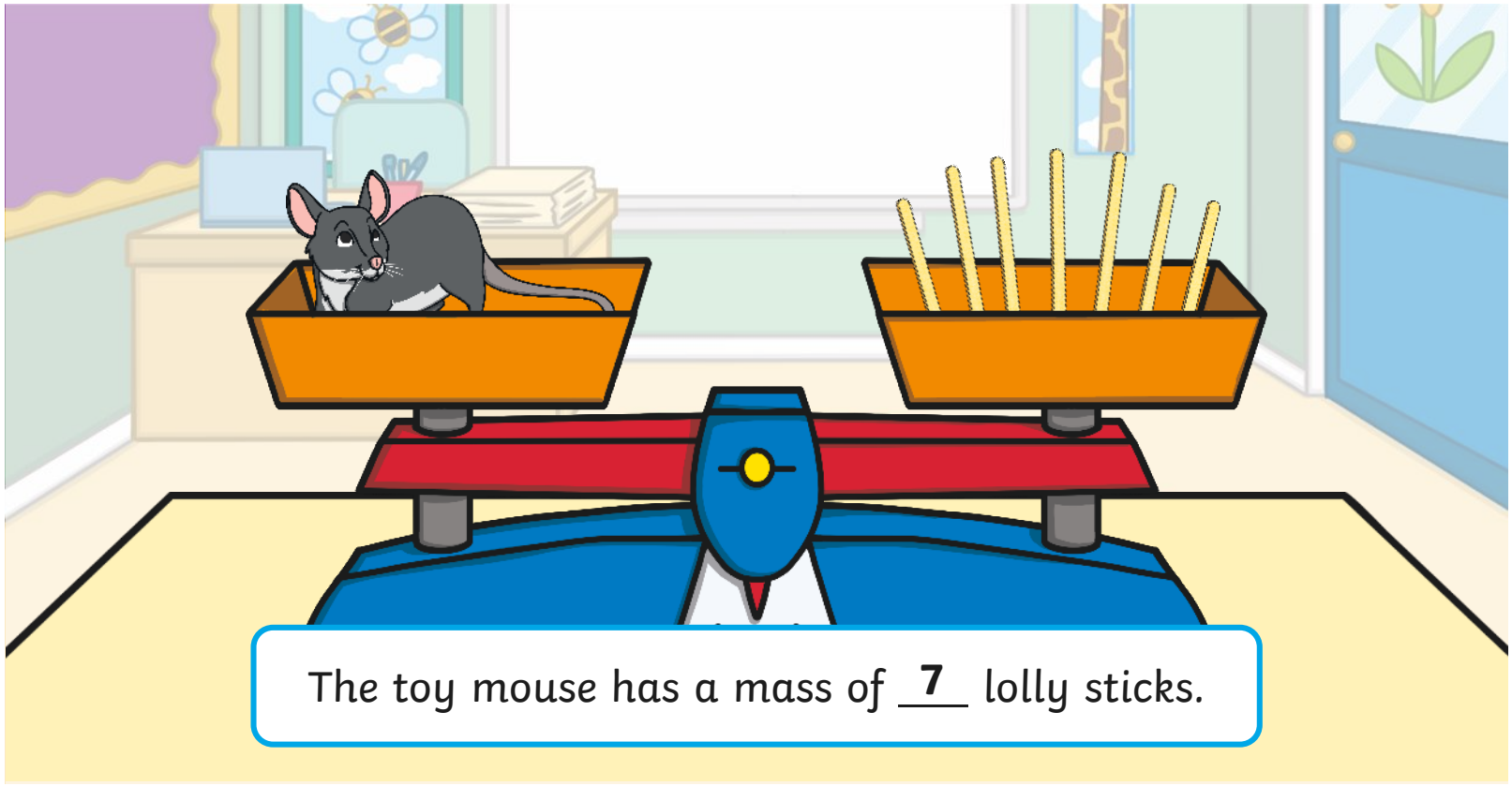
What is the mass of the toy cat? How do you know?



The toy cat has a mass of **5** blocks.

Remember It

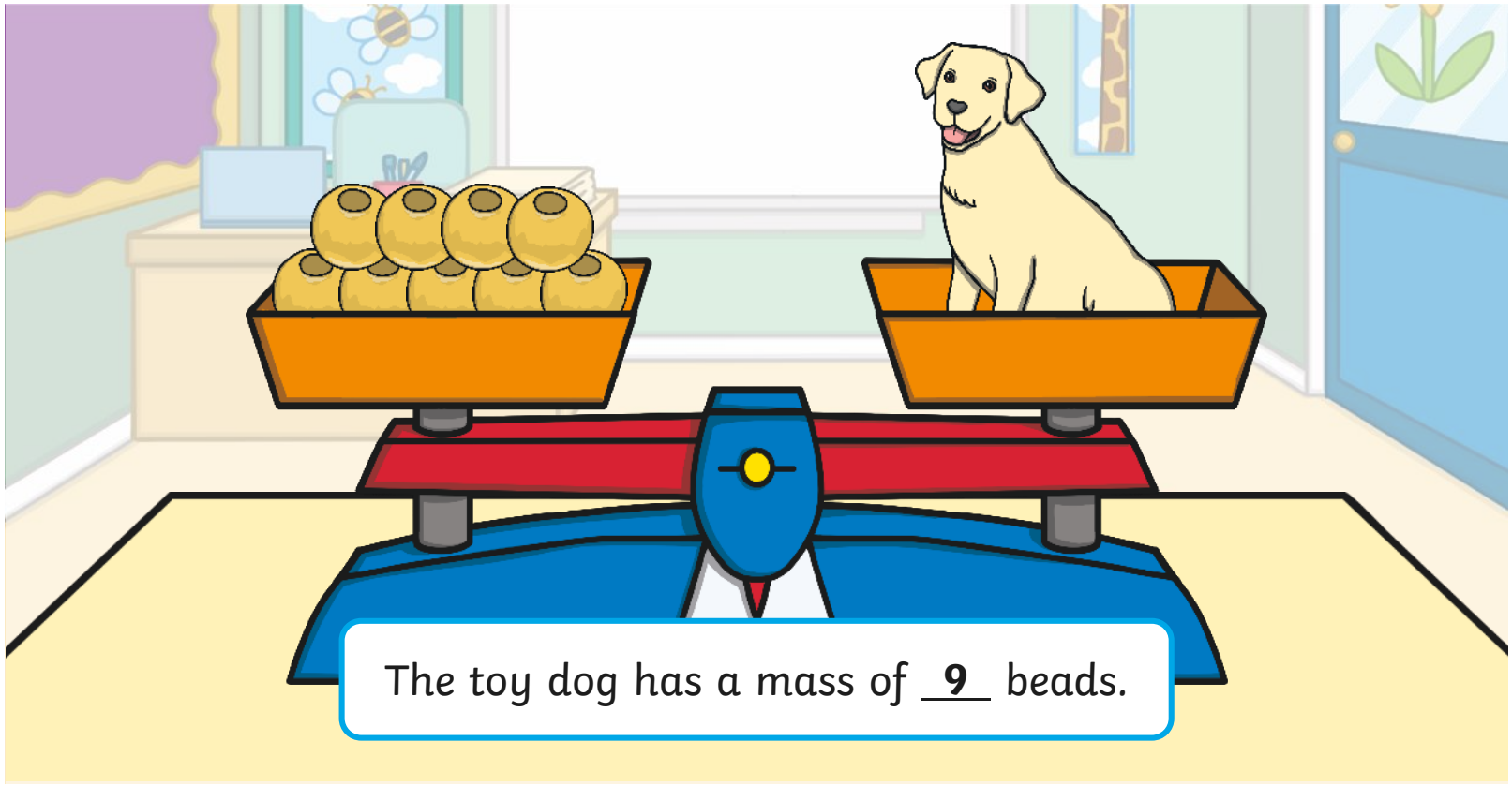
What do the balance scales tell us about the mass of the toy mouse?



The toy mouse has a mass of 7 lolly sticks.

Remember It

Can you say what the mass of the toy dog is? Explain how you know.

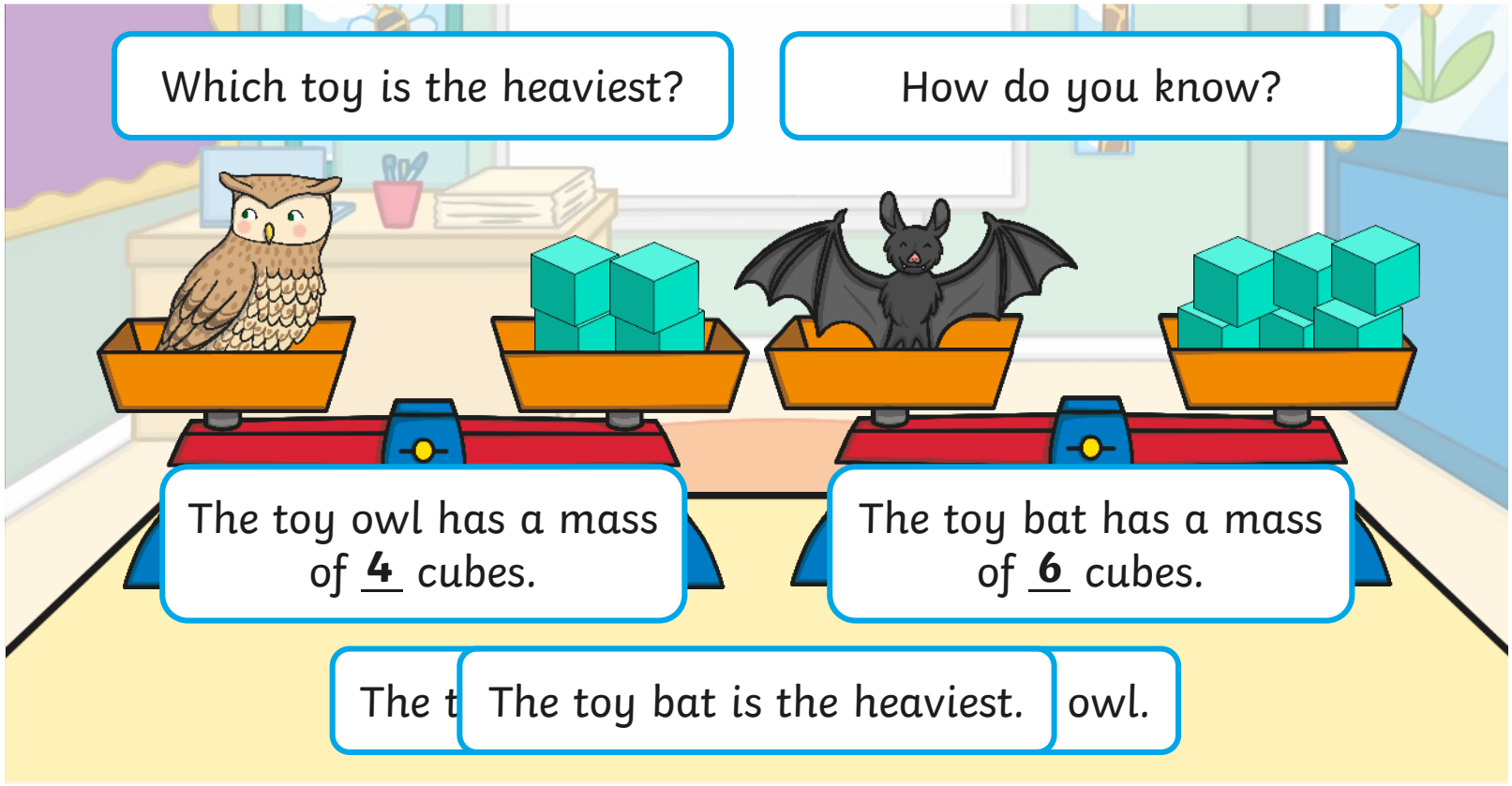


The toy dog has a mass of **9** beads.

Heaviest

Whole Class

We can use a balance scale to compare mass.



Heaviest

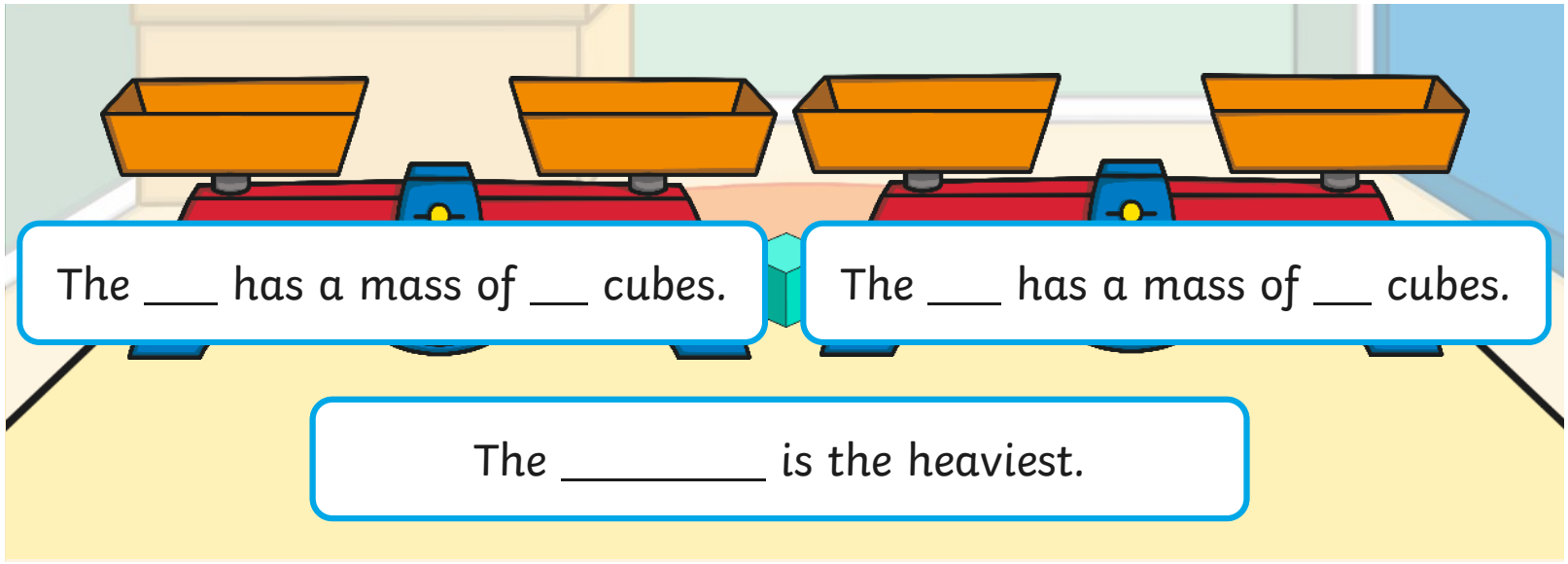
Whole Class

Now let's use real balance scales and cubes to compare the mass of 2 toys.

Which toy is the heaviest?

What can you do to find out?

Let's use these sentences to help us.



The ___ has a mass of ___ cubes.

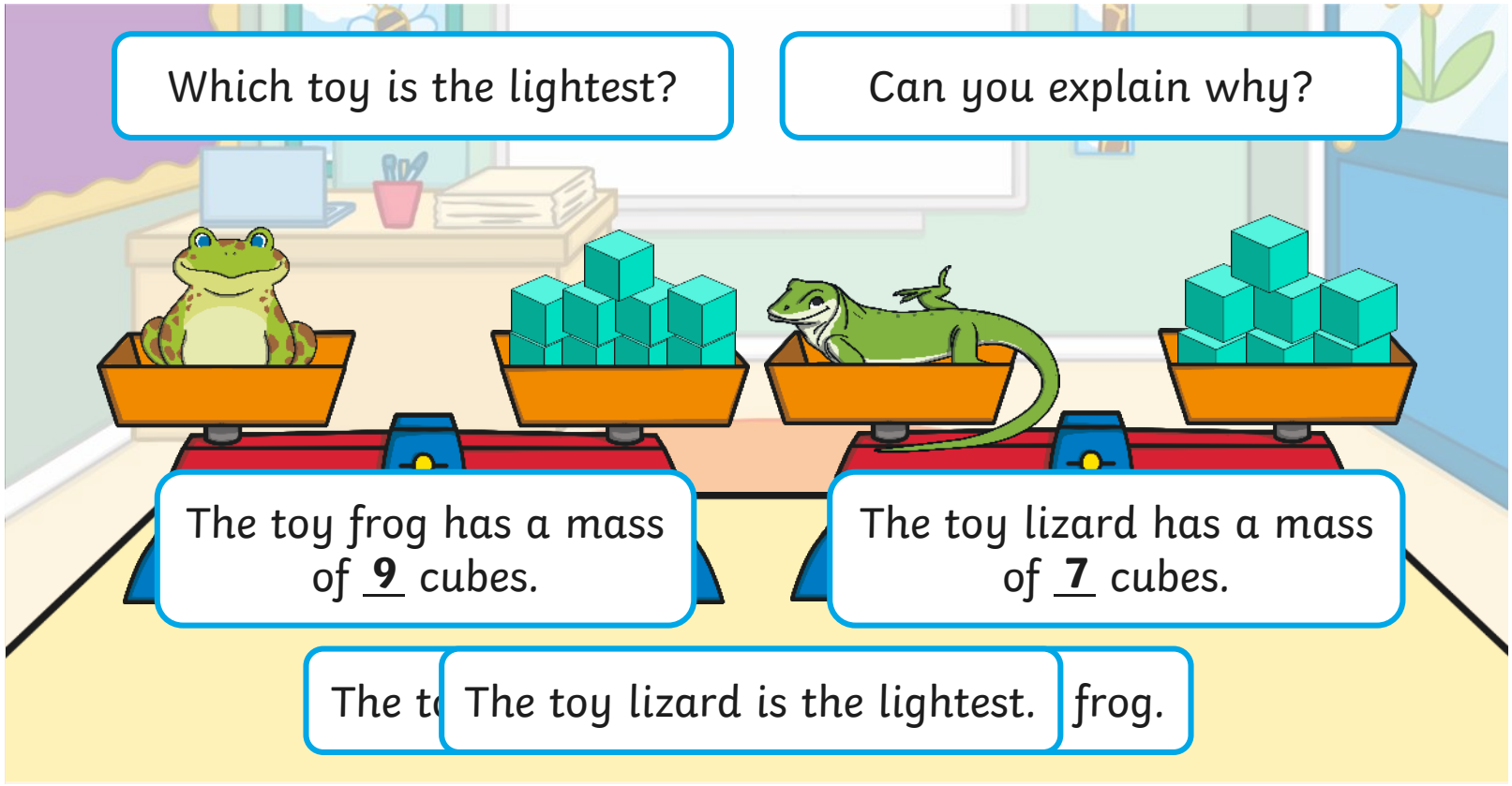
The ___ has a mass of ___ cubes.

The _____ is the heaviest.

Lightest

Whole Class

We can use a balance scale to compare mass.



Lightest

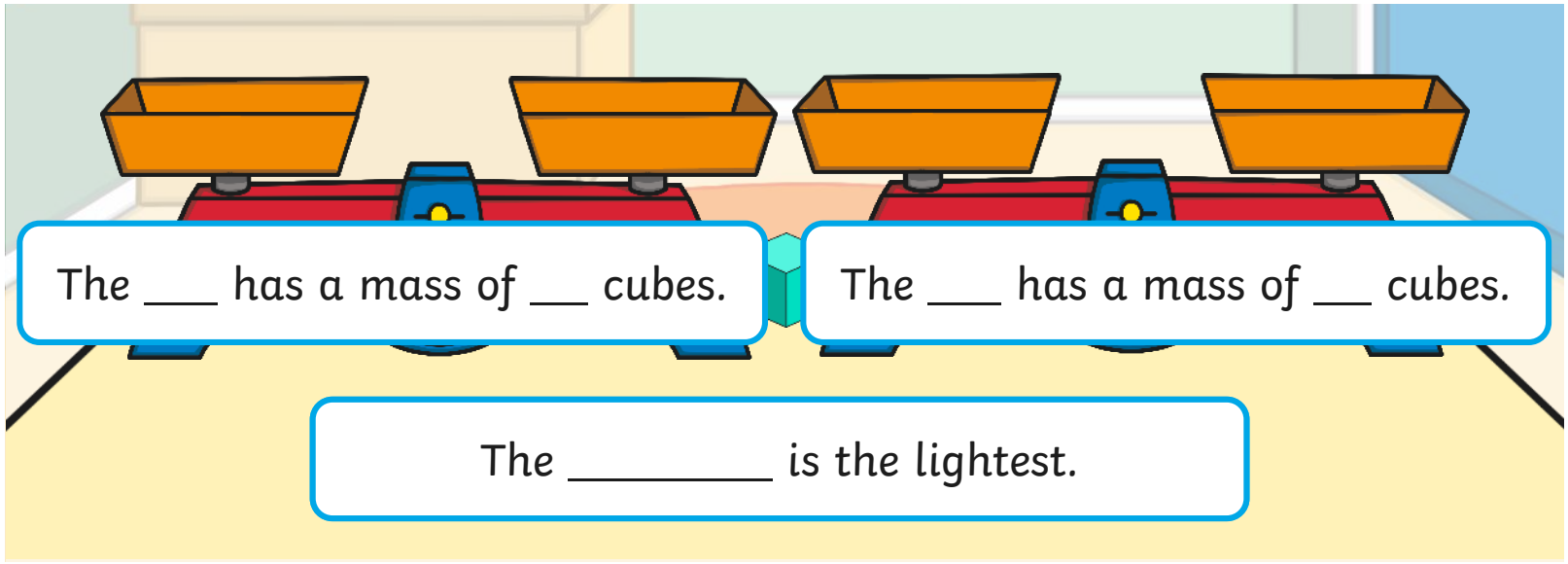
Whole Class

Now let's use real balance scales and cubes to compare the mass of 2 toys.

Which toy is the lightest?

What can you do to find out?

Let's use these sentences to help us.



The ___ has a mass of ___ cubes.

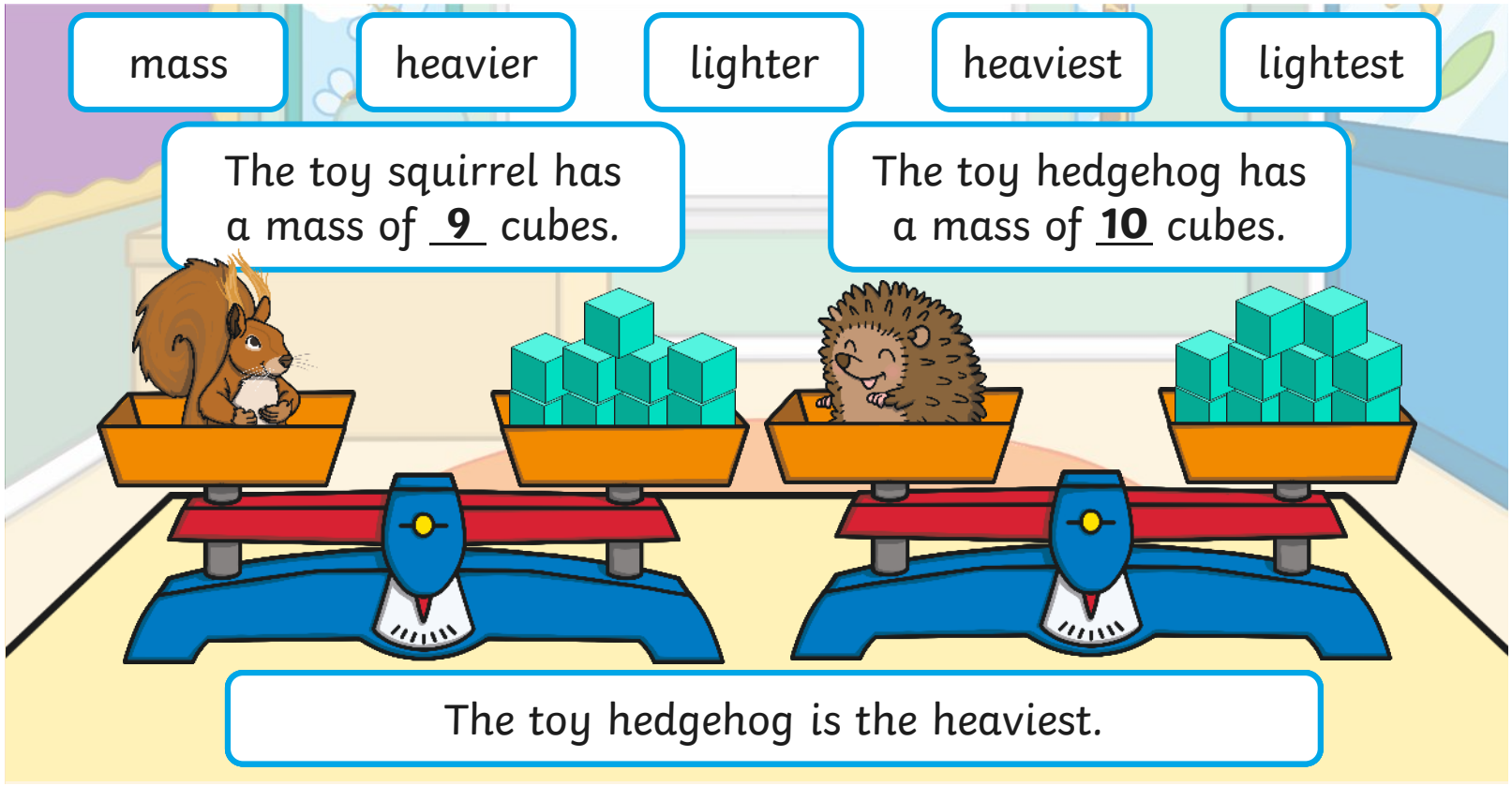
The ___ has a mass of ___ cubes.

The _____ is the lightest.

Describing Mass

Describe and compare the mass of these toys. Use these words to help you.

mass | heavier | lighter | heaviest | lightest



Equal Mass

Whole Class

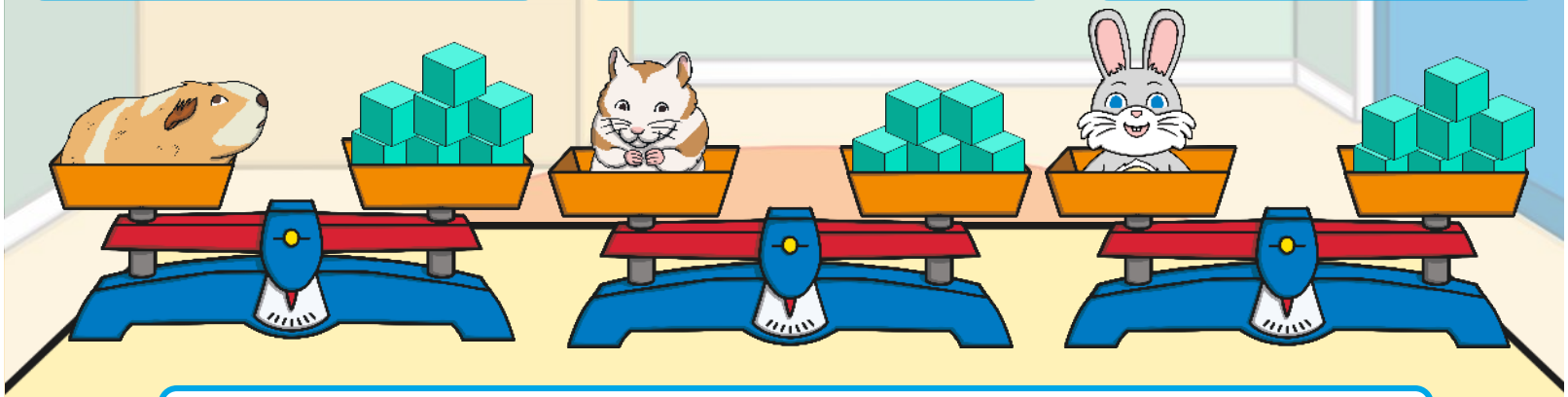
Which toys have an equal mass?

What can you do to find out?

The toy guinea pig has a mass of 7 cubes.

The toy hamster has a mass of 5 cubes.

The toy rabbit has a mass of 7 cubes.



The toy guinea pig and the toy rabbit have an equal mass.

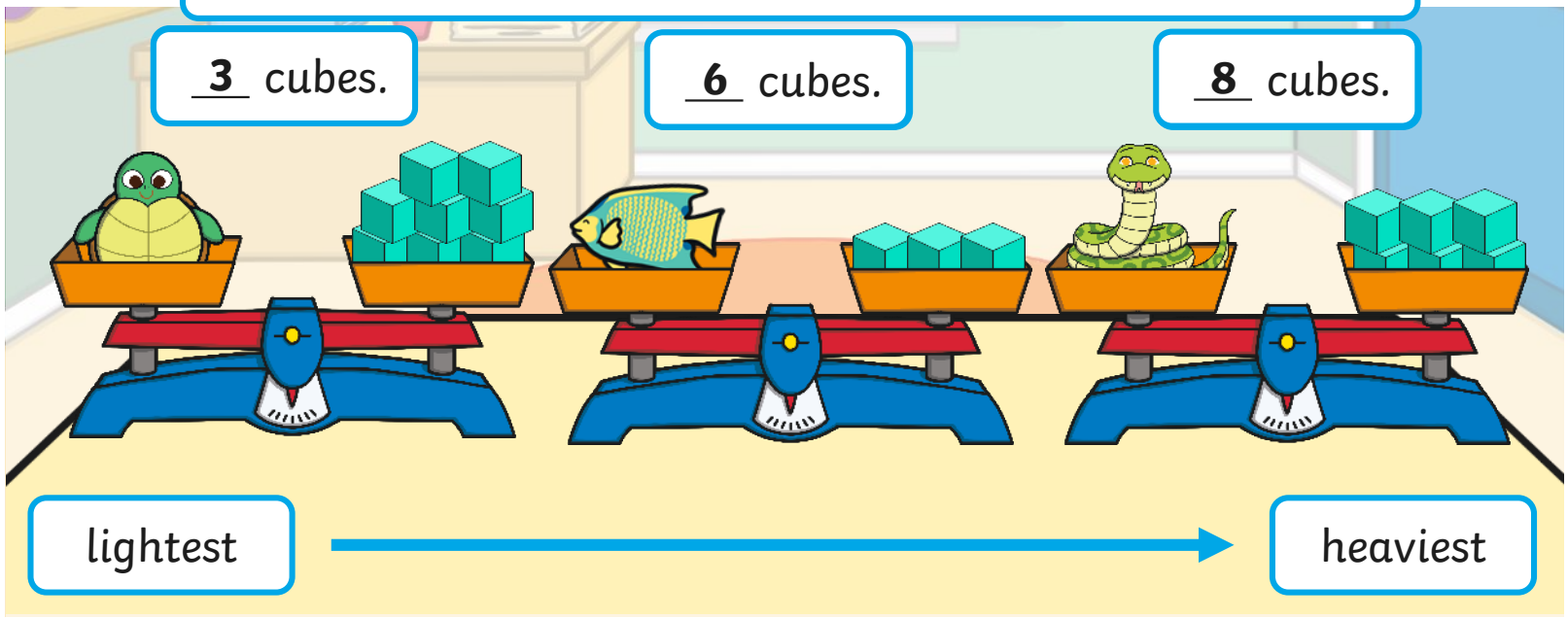
Ordering Mass

Whole Class

Can you put these in order from the lightest to the heaviest toy?

How do we now know they are now in the correct order?

Can you order them in a different way?



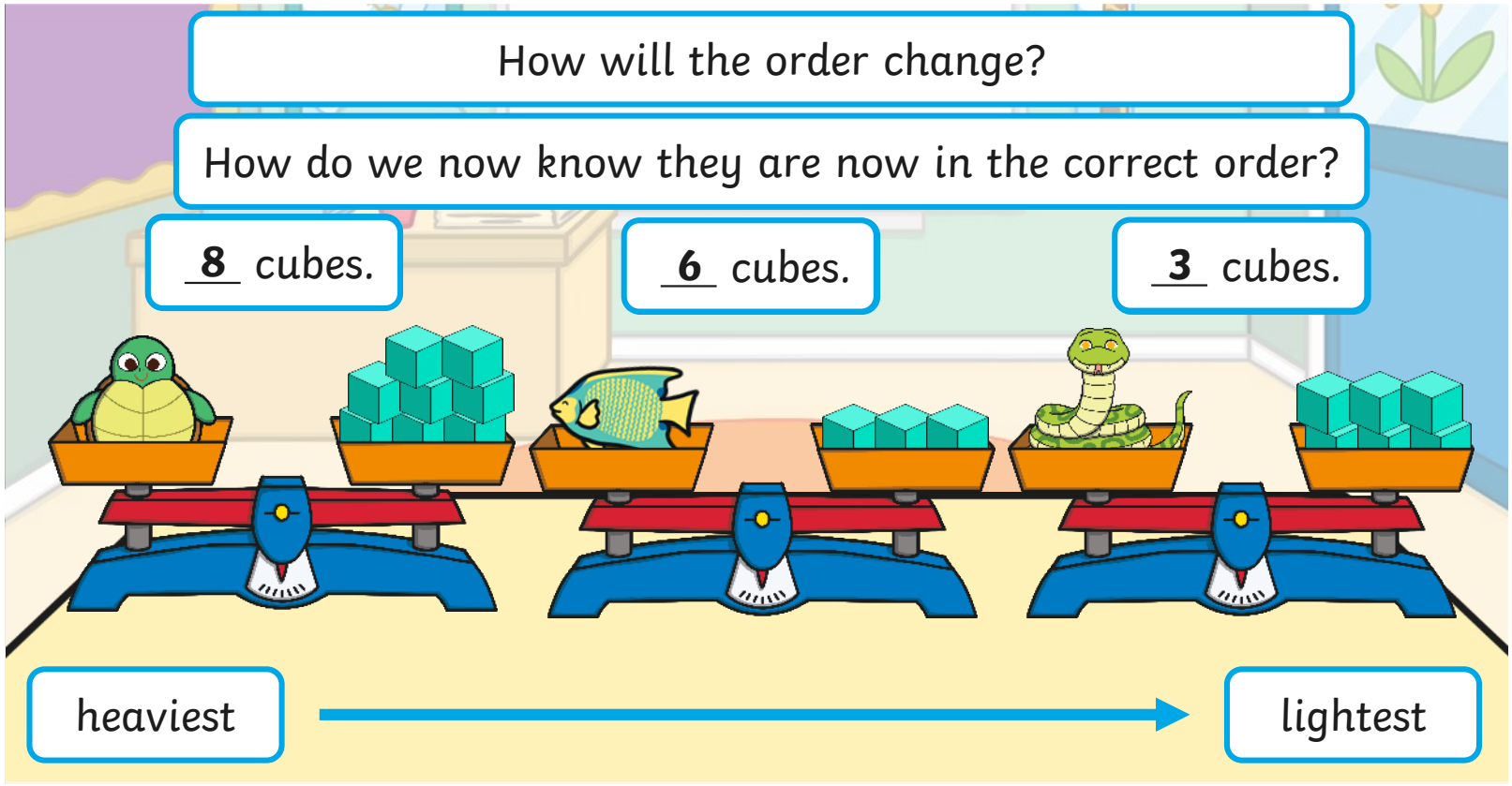
Ordering Mass

Whole Class

Can you now order these toys from the heaviest to the lightest toy?

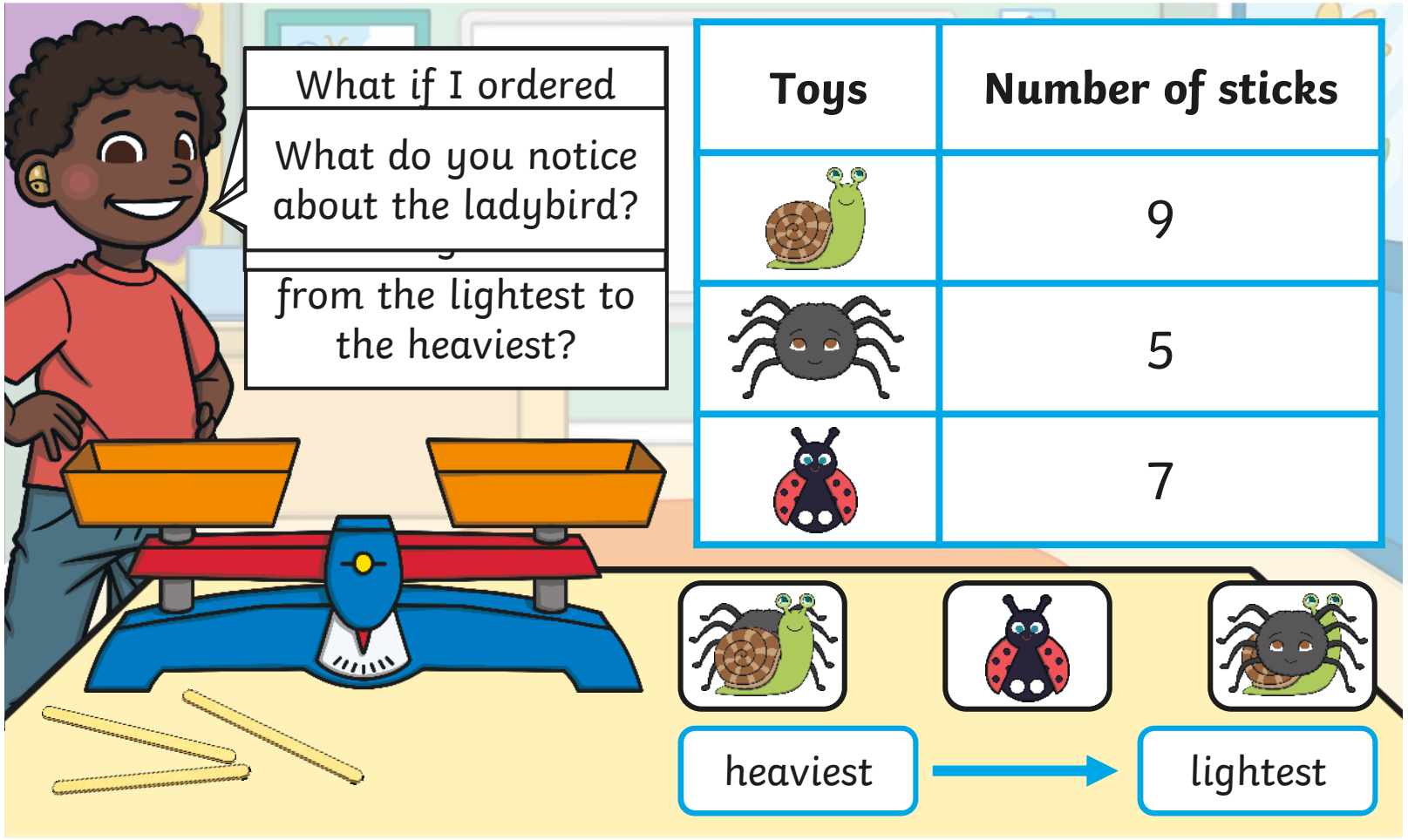
How will the order change?

How do we now know they are now in the correct order?



Ordering Mass

Whole Class



Ordering Mass

Whole Class

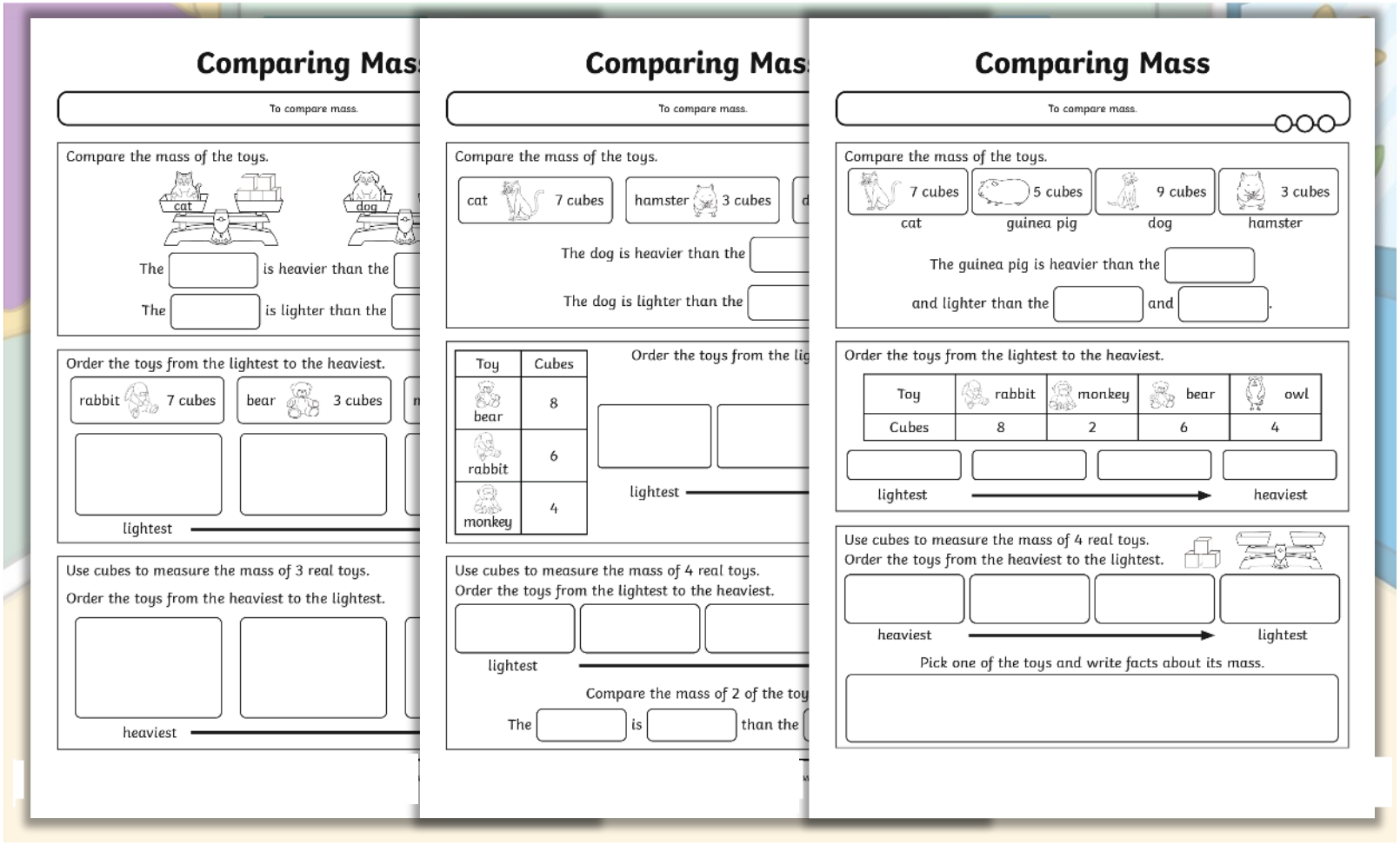
Let's use real balance scales and non-standard units to find the mass of 3 toys.

Toys	Number of sticks
Toy 1	
Toy 2	
Toy 3	

Can you order them from the heaviest to the lightest?

heaviest → lightest

Comparing Mass Activities



Comparing Mass

To compare mass.

Compare the mass of the toys.

cat dog

The ____ is heavier than the ____

The ____ is lighter than the ____

Order the toys from the lightest to the heaviest.

rabbit 7 cubes | bear 3 cubes

lightest

Use cubes to measure the mass of 3 real toys.

Order the toys from the heaviest to the lightest.

heaviest

Comparing Mass

To compare mass.

Compare the mass of the toys.

cat 7 cubes | hamster 3 cubes

The dog is heavier than the ____

The dog is lighter than the ____

Toy	Cubes
bear	8
rabbit	6
monkey	4

Order the toys from the lig

lightest

Use cubes to measure the mass of 4 real toys.

Order the toys from the lightest to the heaviest.

lightest

Compare the mass of 2 of the toy

The ____ is ____ than the

Comparing Mass

To compare mass.

Compare the mass of the toys.

7 cubes cat | 5 cubes guinea pig | 9 cubes dog | 3 cubes hamster

The guinea pig is heavier than the ____

and lighter than the ____ and ____.

Order the toys from the lightest to the heaviest.

Toy	rabbit	monkey	bear	owl
Cubes	8	2	6	4

lightest → heaviest

Use cubes to measure the mass of 4 real toys.

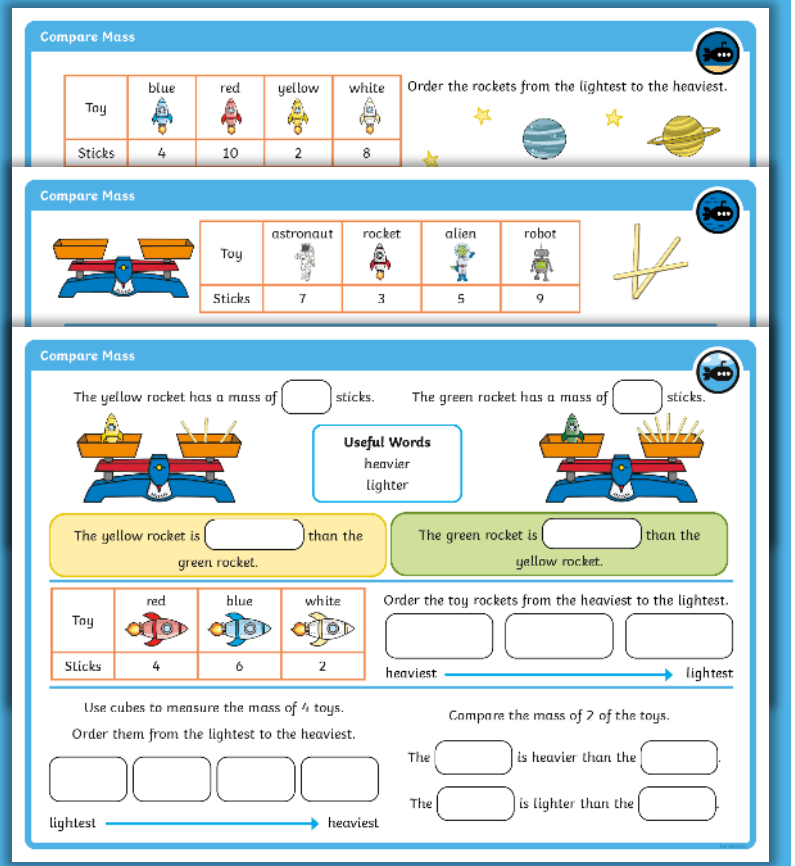
Order the toys from the heaviest to the lightest.

heaviest → lightest

Pick one of the toys and write facts about its mass.

Diving into Mastery

Dive in by completing your own activity!



Compare Mass

Toy	blue	red	yellow	white
Sticks	4	10	2	8

Order the rockets from the lightest to the heaviest.

Compare Mass

Toy	astronaut	rocket	alien	robot
Sticks	7	3	5	9

Compare Mass

The yellow rocket has a mass of ____ sticks.

The green rocket has a mass of ____ sticks.

Useful Words
heavier
lighter

The yellow rocket is ____ than the green rocket.

The green rocket is ____ than the yellow rocket.

Toy	red	blue	white
Sticks	4	6	2

Order the toy rockets from the heaviest to the lightest.

heaviest → lightest

Use cubes to measure the mass of 4 toys.

Order them from the lightest to the heaviest.

lightest → heaviest

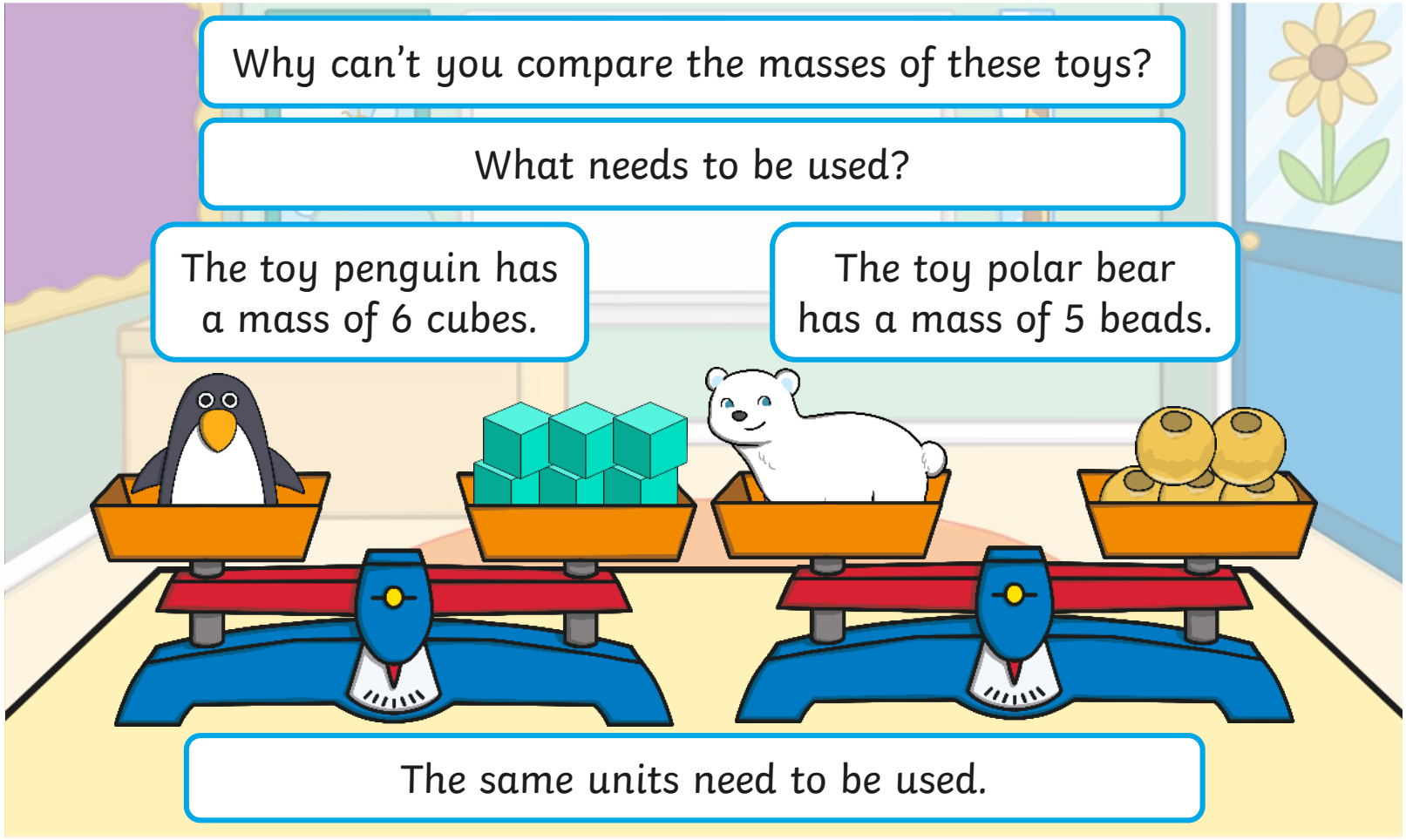
Compare the mass of 2 of the toys.

The ____ is heavier than the ____.

The ____ is lighter than the ____.

Check It

Whole Class



Check It

Whole Class

The toy sea creatures have been ordered from the lightest to the heaviest.

Toys	Number of beads
	8
	2
	4

Where would the toy starfish go?

The toy starfish is lighter than the crab.

No. [redacted] ere

The toy starfish is heavier than the clownfish and the seahorse.

Can you explain why?




lightest → heaviest

Aim

- To compare mass.

Success Criteria

- I can identify which object is heavier.
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- I can use accurate vocabulary to describe and compare mass.
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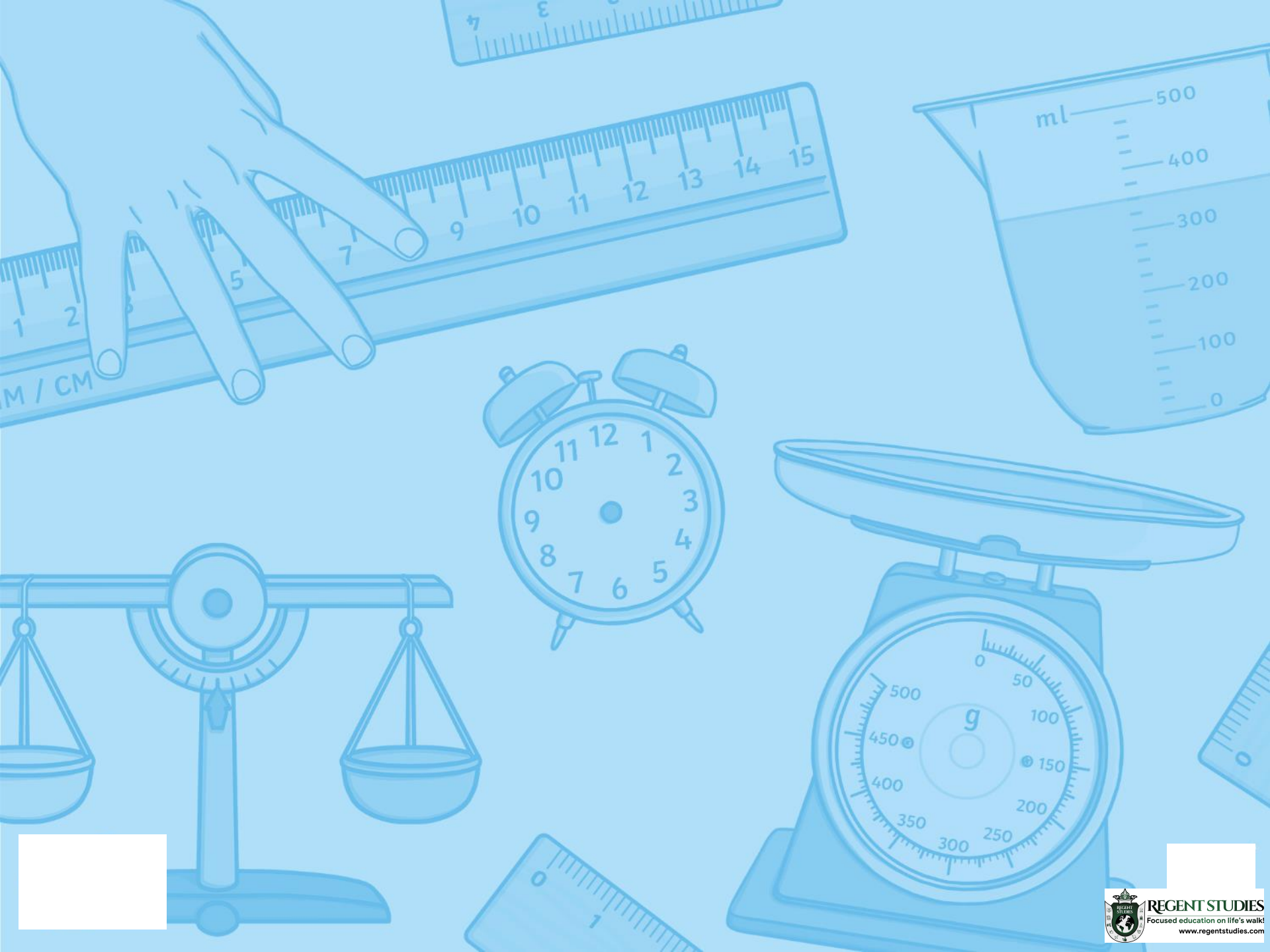
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