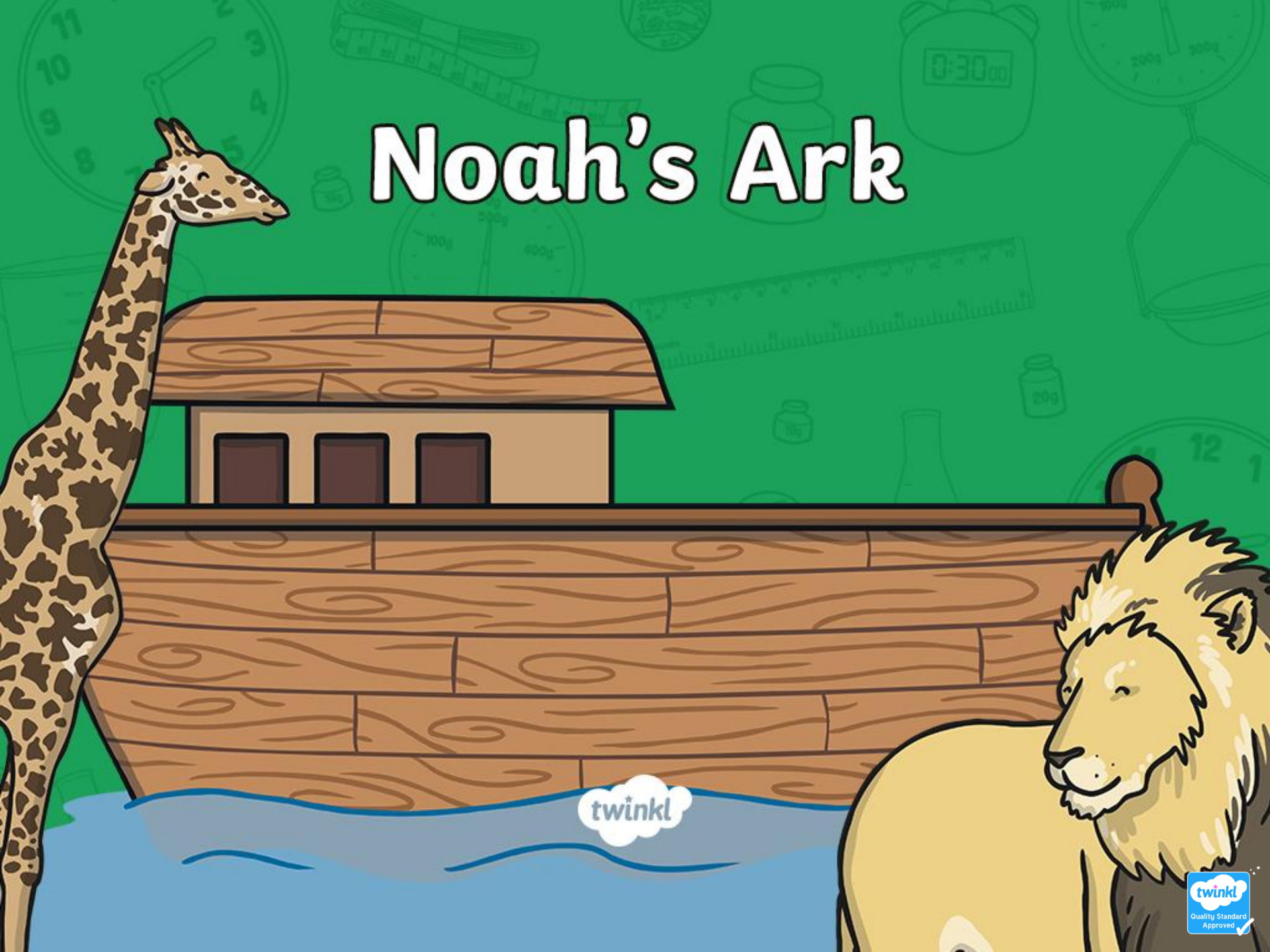
Maths

Measurement

Noah's Ark



Aim

- To compare and order lengths using >, < and =.

Success Criteria

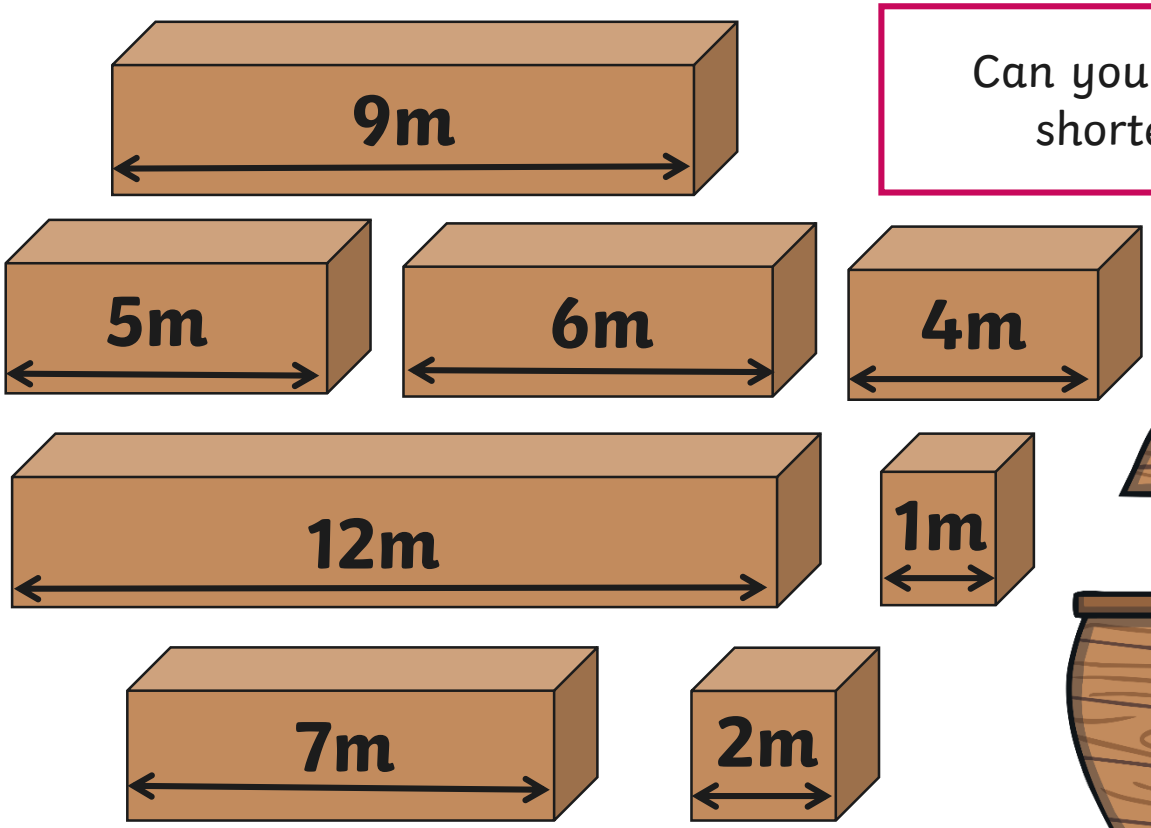
- I can use language, such as ‘longer’ and ‘shorter’ to compare lengths.
- I can order objects by length.
- I can use the >, < and = signs to compare lengths.

A Long Order

? Which is the longest container?

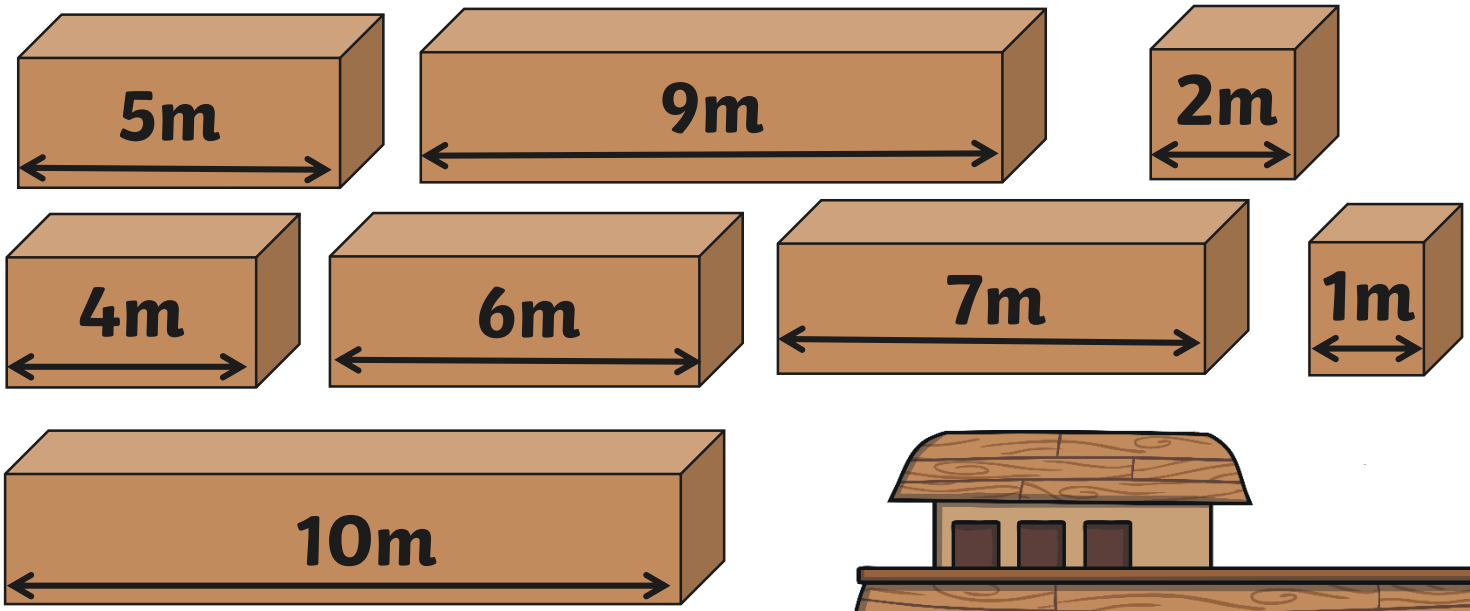
? Which is the shortest?

Can you order them from shortest to longest?



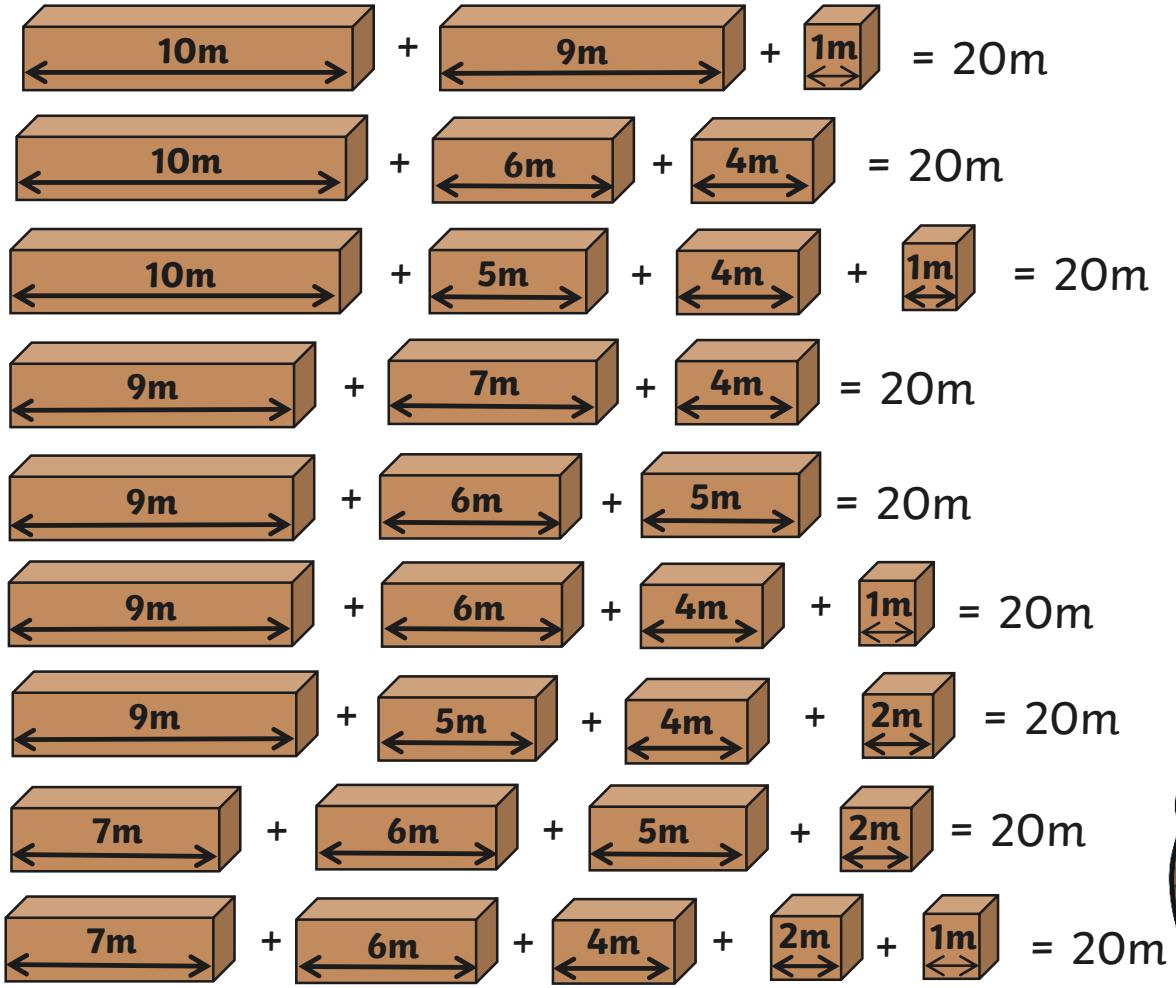
A Long Order

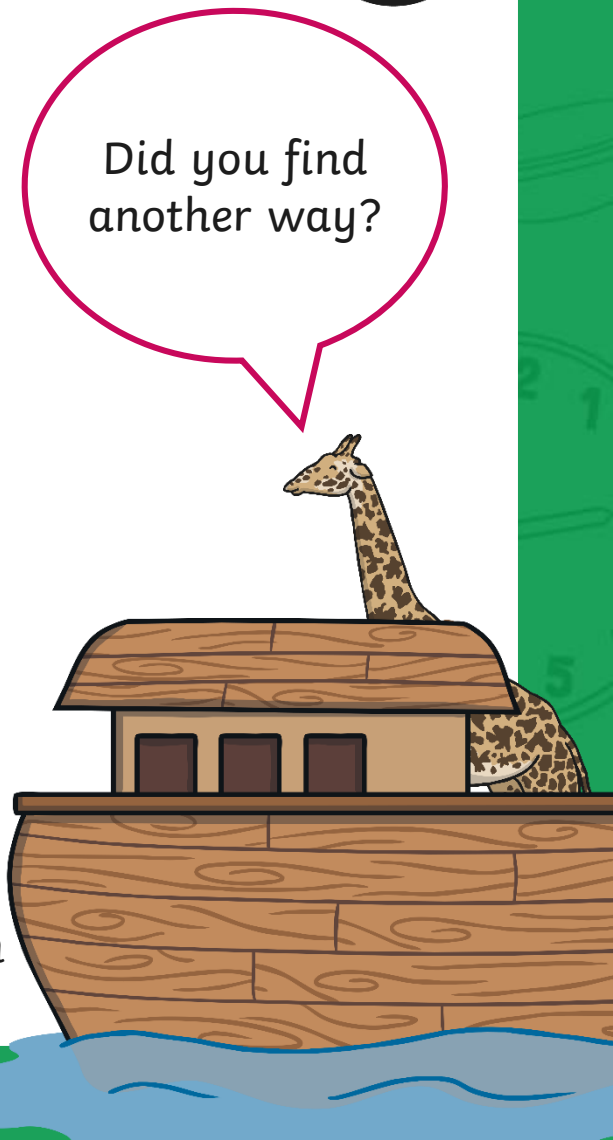
Which containers could you place side-by-side to make the distance the same length as Noah's ark? There is only one of every container.



? Can you find more than one way of doing it?

A Long Order


10m + 9m + 1m = 20m
10m + 6m + 4m = 20m
10m + 5m + 4m + 1m = 20m
9m + 7m + 4m = 20m
9m + 6m + 5m = 20m
9m + 6m + 4m + 1m = 20m
9m + 5m + 4m + 2m = 20m
7m + 6m + 5m + 2m = 20m
7m + 6m + 4m + 2m + 1m = 20m

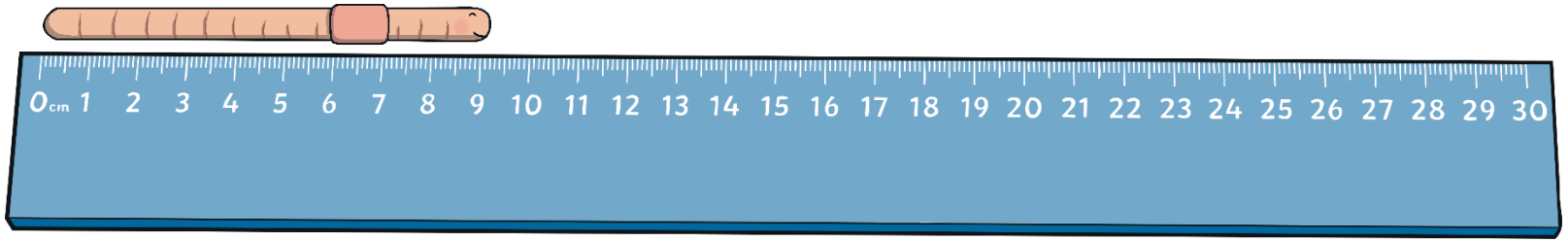

Did you find another way?

Jungle Lengths

Whole Class

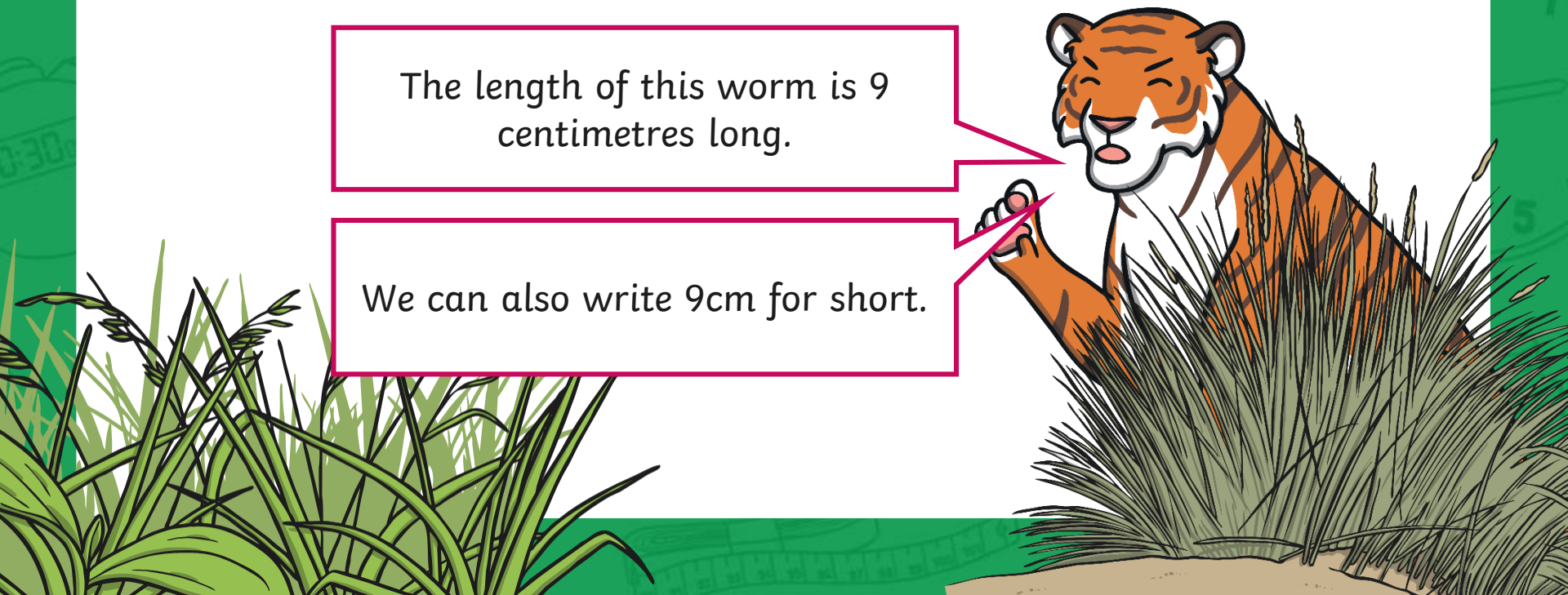
Length is the distance from one end of an object to the other.

Length can be measured in centimetres.



The length of this worm is 9 centimetres long.

We can also write 9cm for short.

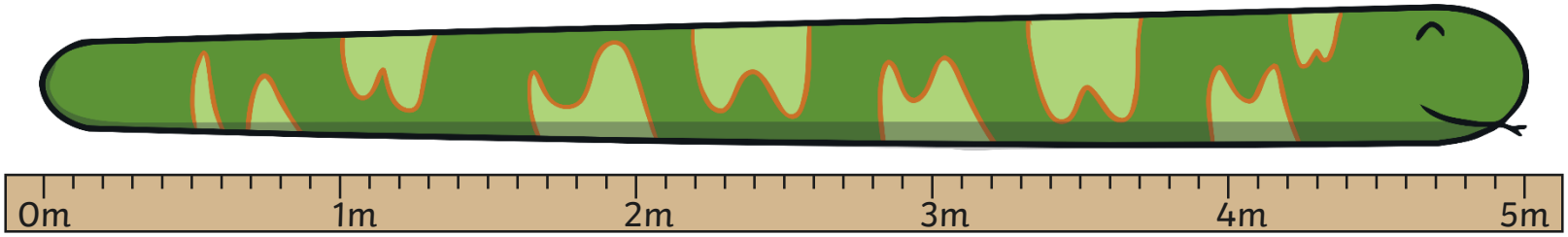


Jungle Lengths

Whole Class

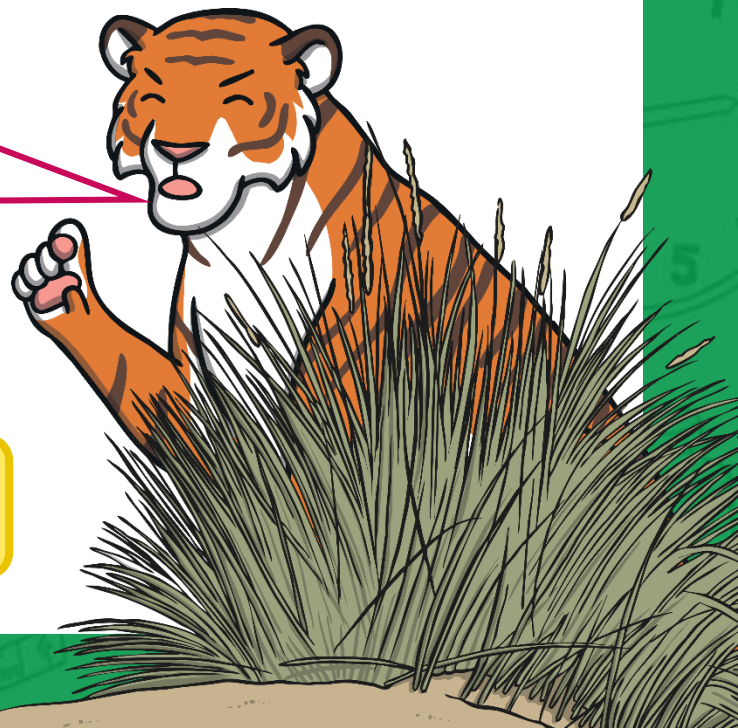
Length can also be measured in metres.

1 metre is the same as 100 centimetres.



The length of this snake is 5 metres long.

We can also write 5m for short.



? Which of these animals is the longest?

? Which of these animals is the shortest?

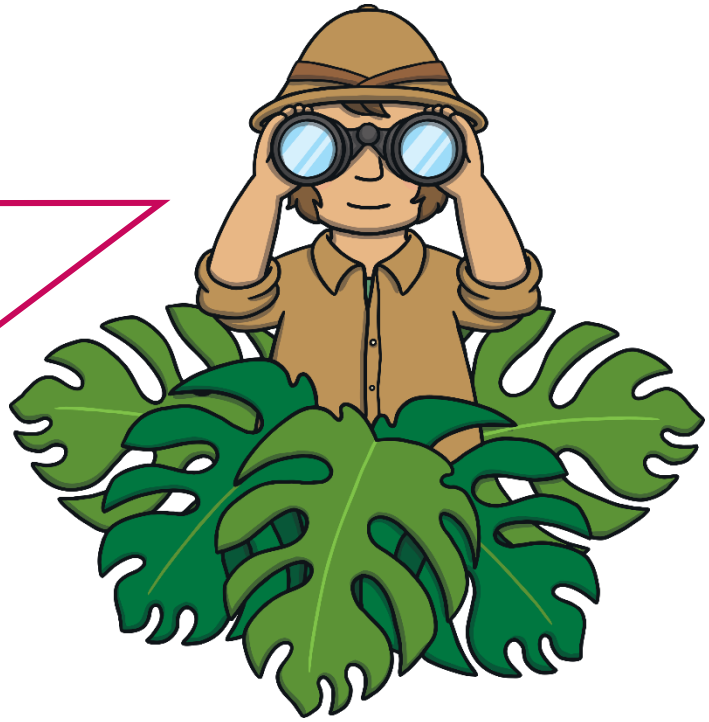
Jungle Lengths

Whole Class

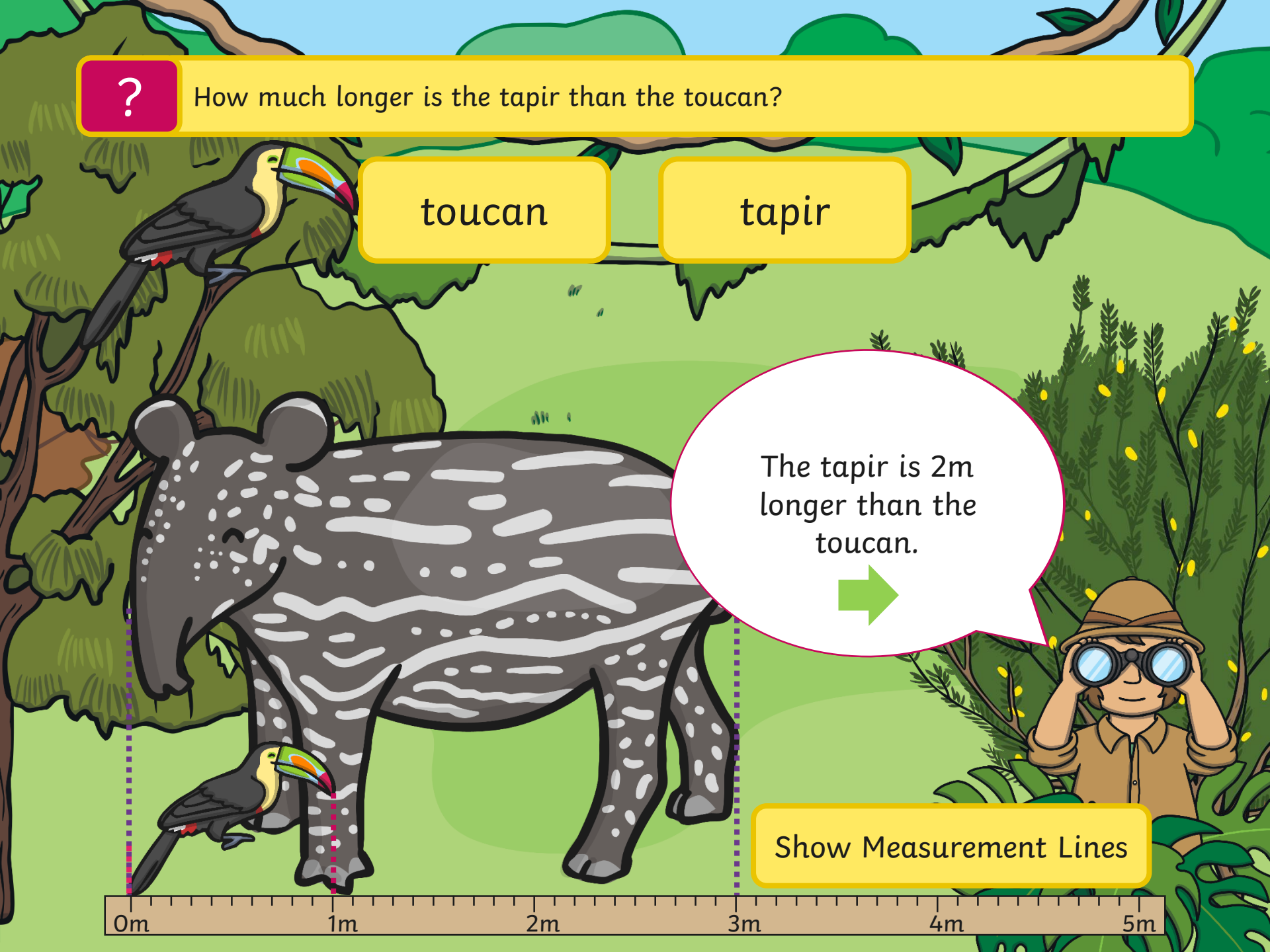
Compare the lengths of the animals to the nearest metre.

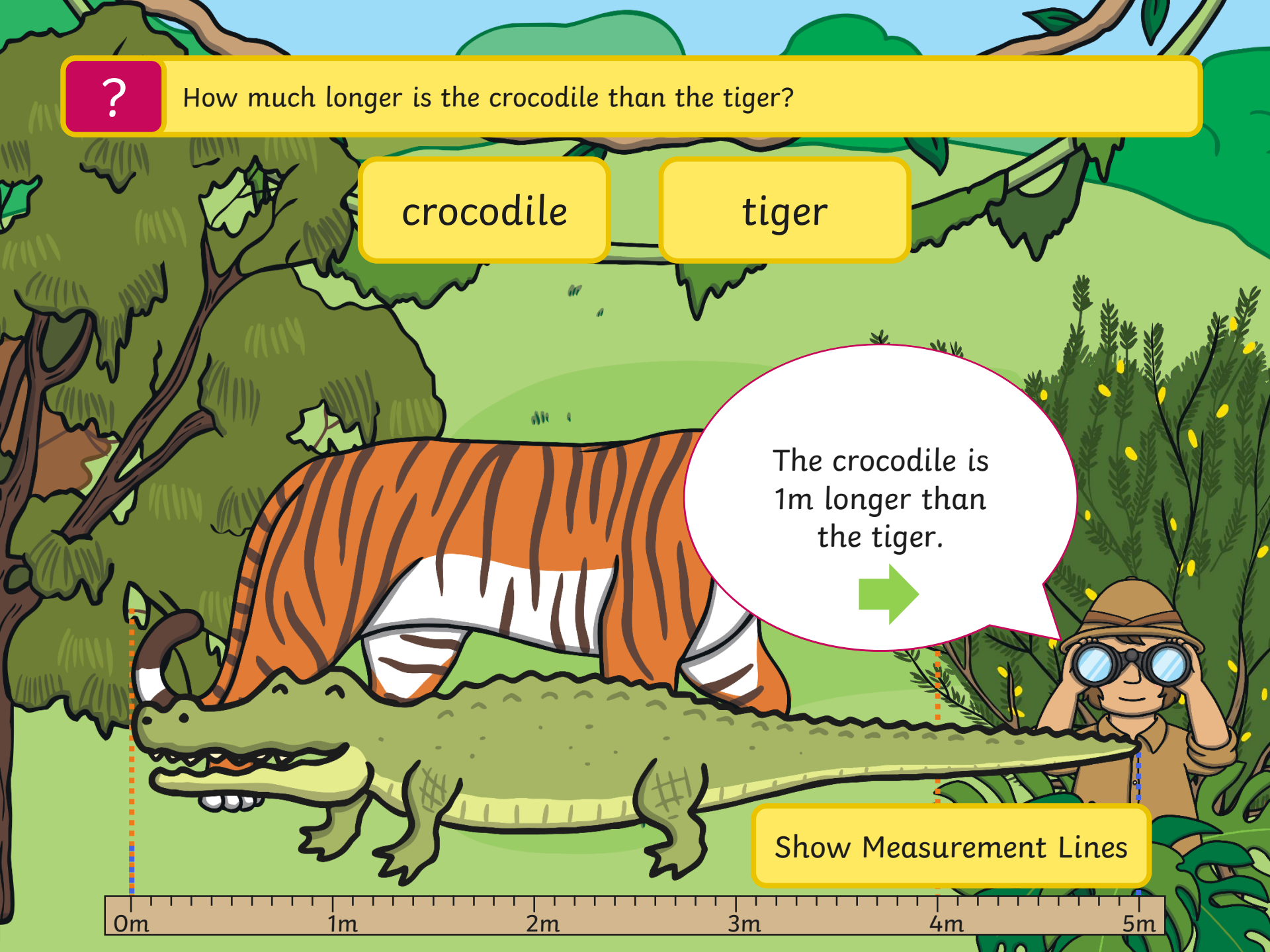
Click on an animal when it appears from the jungle to measure it. Compare the animals to the nearest metre.

Click here to start exploring.




?
How much longer is the lizard than the sloth?
sloth
lizard
The sloth is 1m longer than the lizard.
Show Measurement Lines
0m
1m
2m
3m
4m
5m


?
How much longer is the tapir than the toucan?
toucan
tapir
The tapir is 2m longer than the toucan.
Show Measurement Lines
0m
1m
2m
3m
4m
5m


?
How much longer is the crocodile than the tiger?
crocodile
tiger
The crocodile is 1m longer than the tiger.
Show Measurement Lines
0m
1m
2m
3m
4m
5m

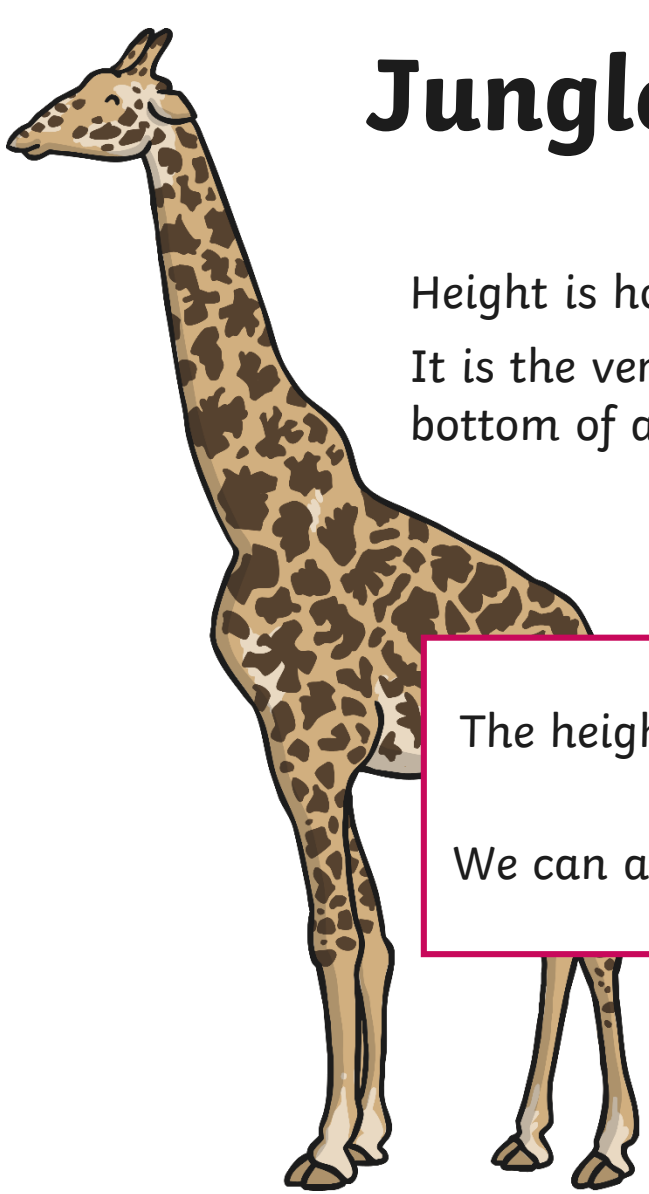

?
How much longer is the gorilla than the tortoise?
tortoise
gorilla
The gorilla is 1m longer than the tortoise.
Show Measurement Lines
0m
1m
2m
3m
4m
5m

Jungle Lengths

Whole Class

Height is how tall something is.

It is the vertical distance from the top to the bottom of an object.



The height of this giraffe is 6 metres tall.

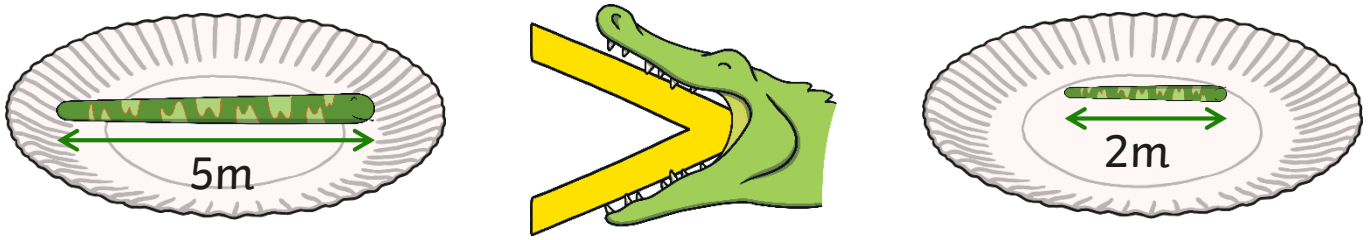
We can also write this as 6m.

Compare the Animals

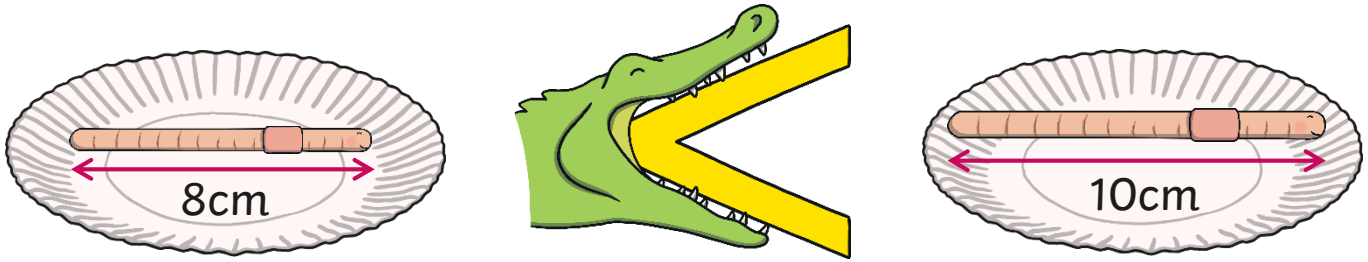
Whole Class

Chomp is a greedy crocodile and will always eat the greater number.

Here, Chomp eats the snake on the left because it has a greater length.



Here, Chomp eats the worm on the right because it has a greater length.

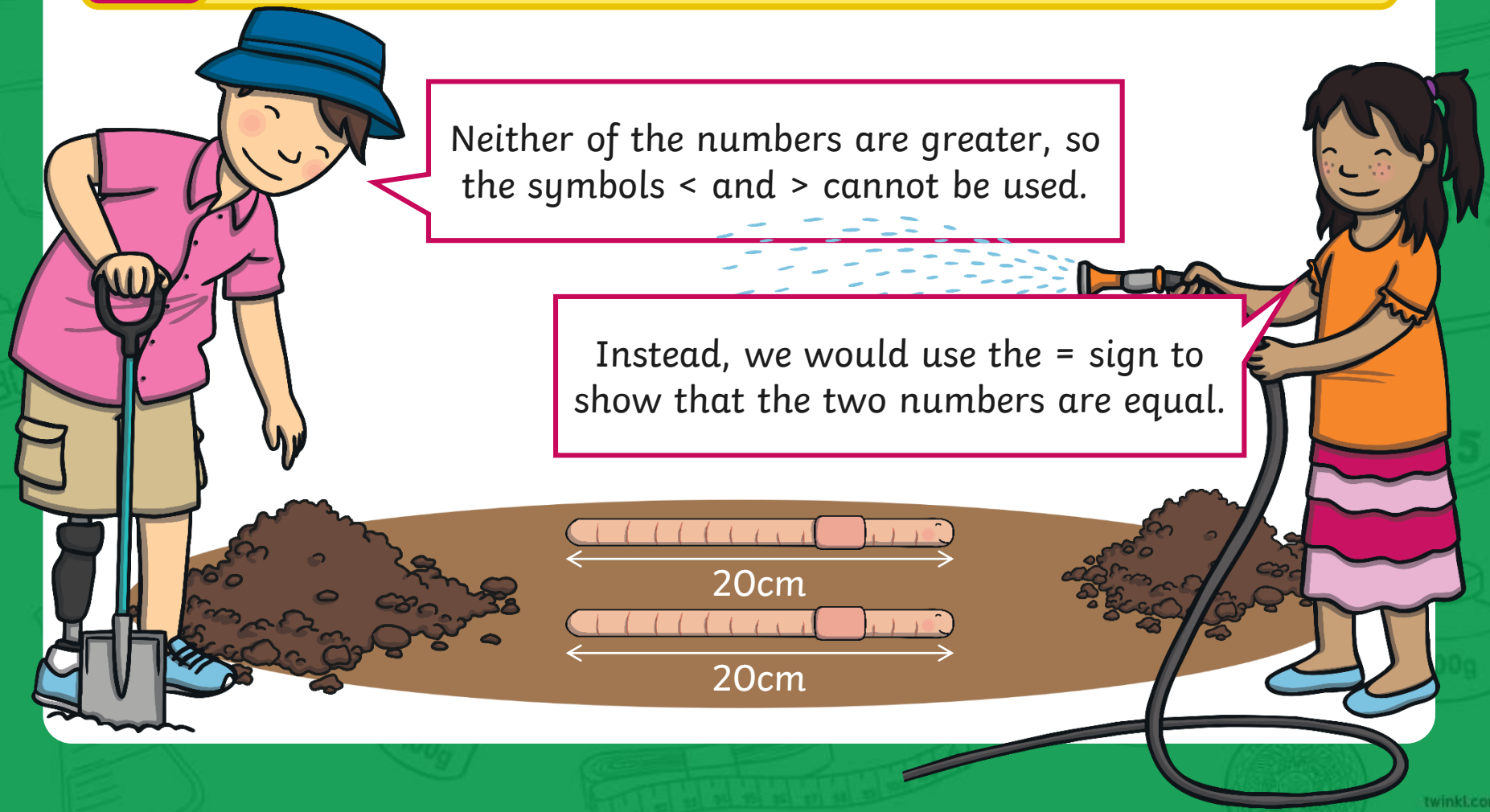


Compare the Animals

Whole Class

?

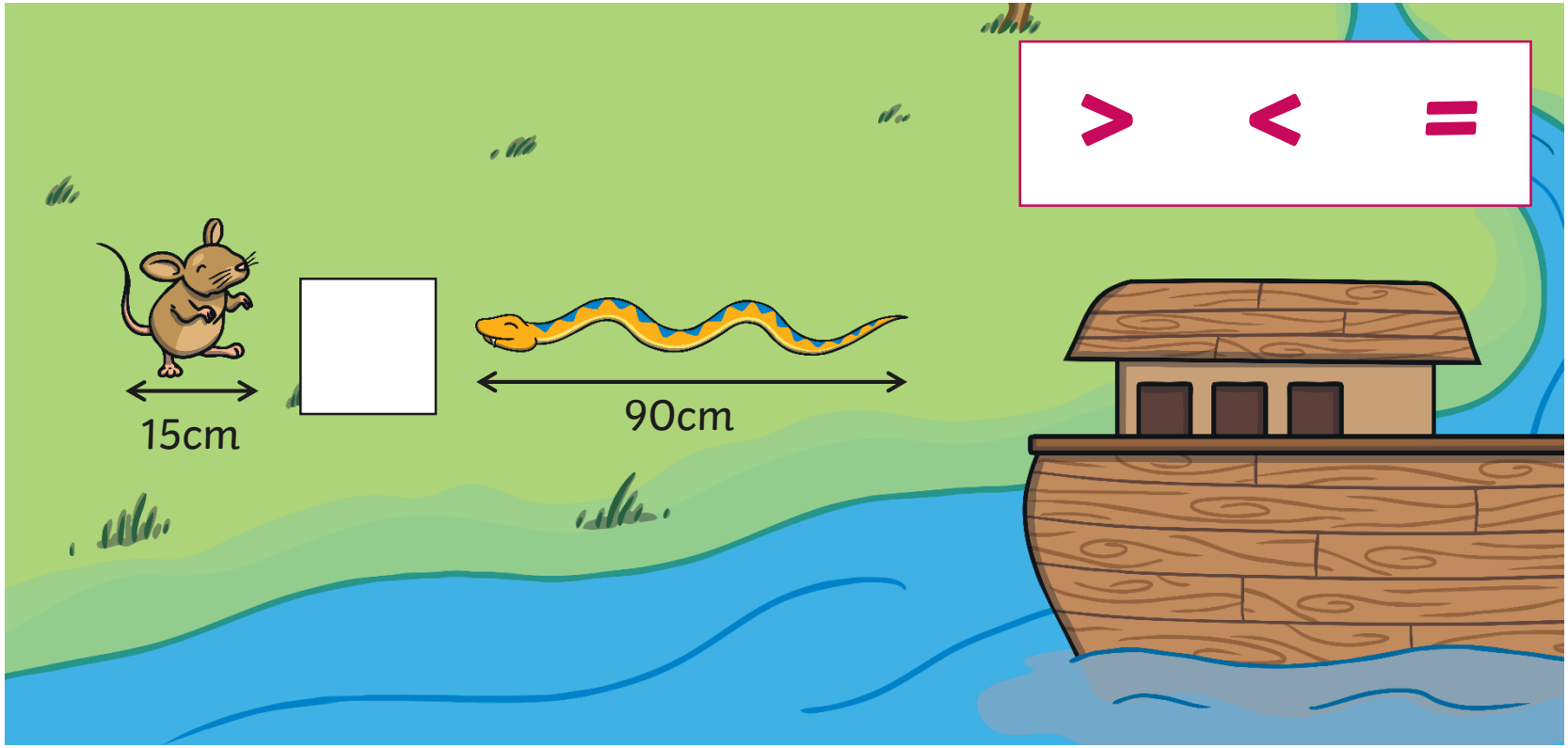
What happens if the lengths have the same value?



Compare the Animals

Whole Class

The animals are being measured before they get onto the ark. Help Noah to select the correct sign to compare their length.



Compare the Animals

Whole Class

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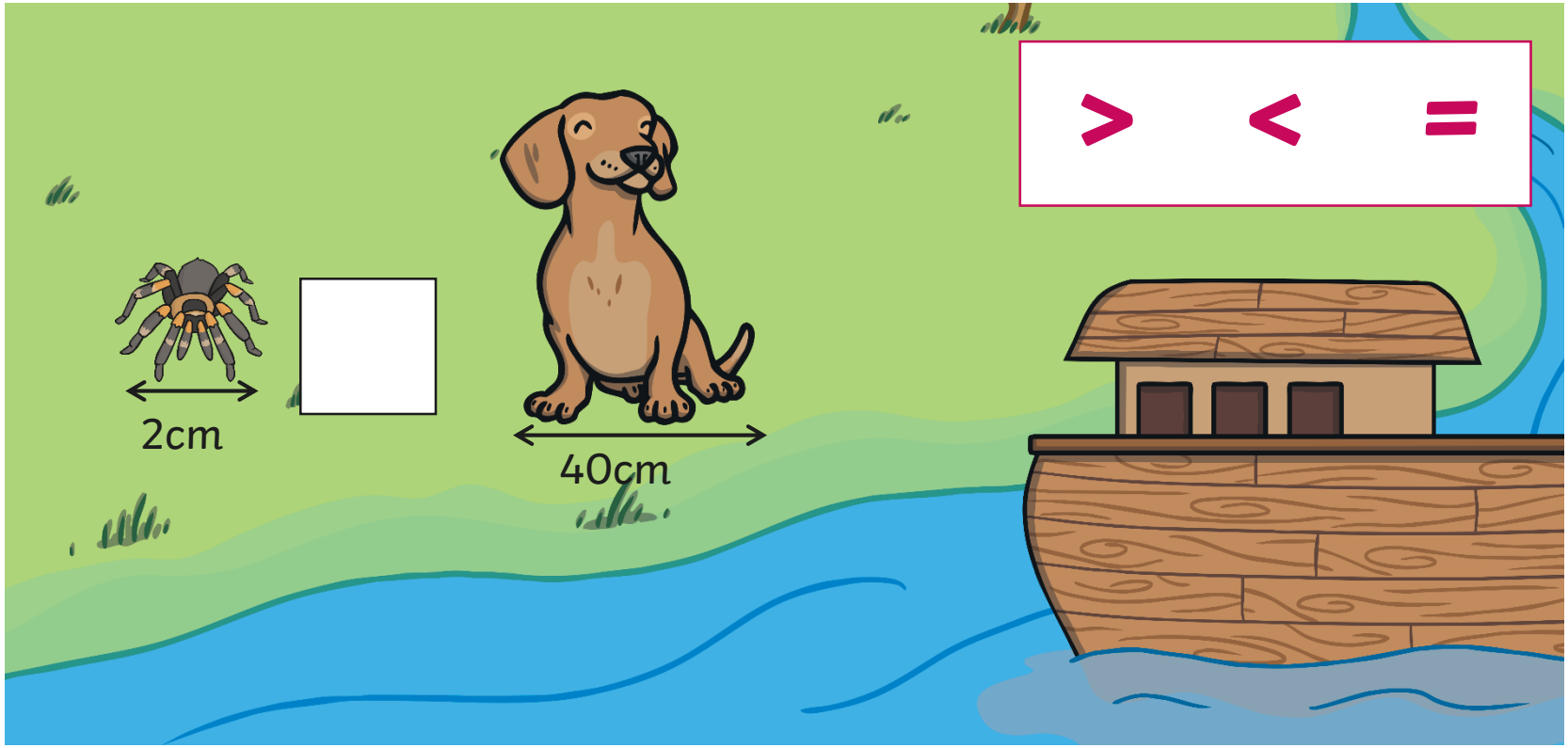

Compare the Animals

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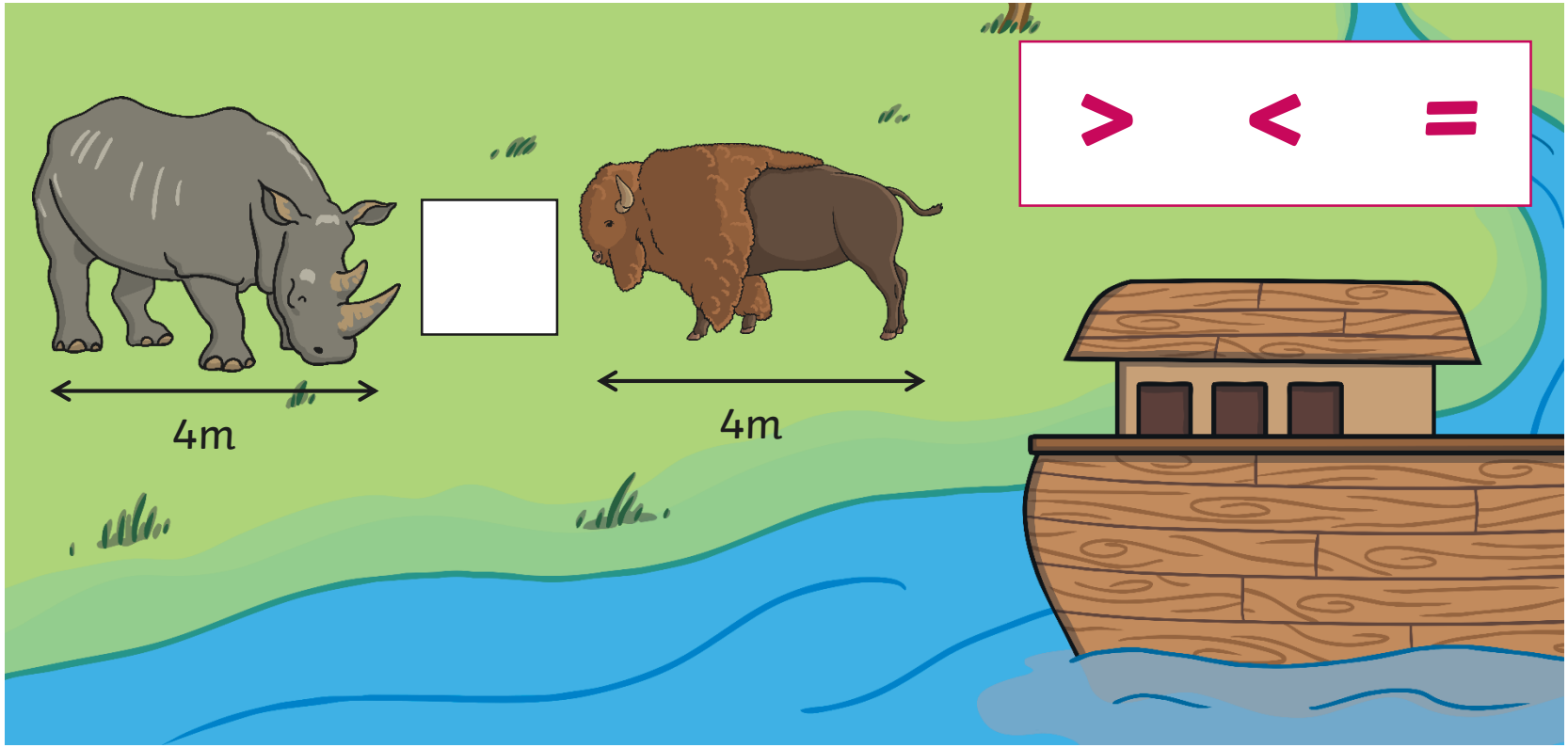

Compare the Animals

Whole Class

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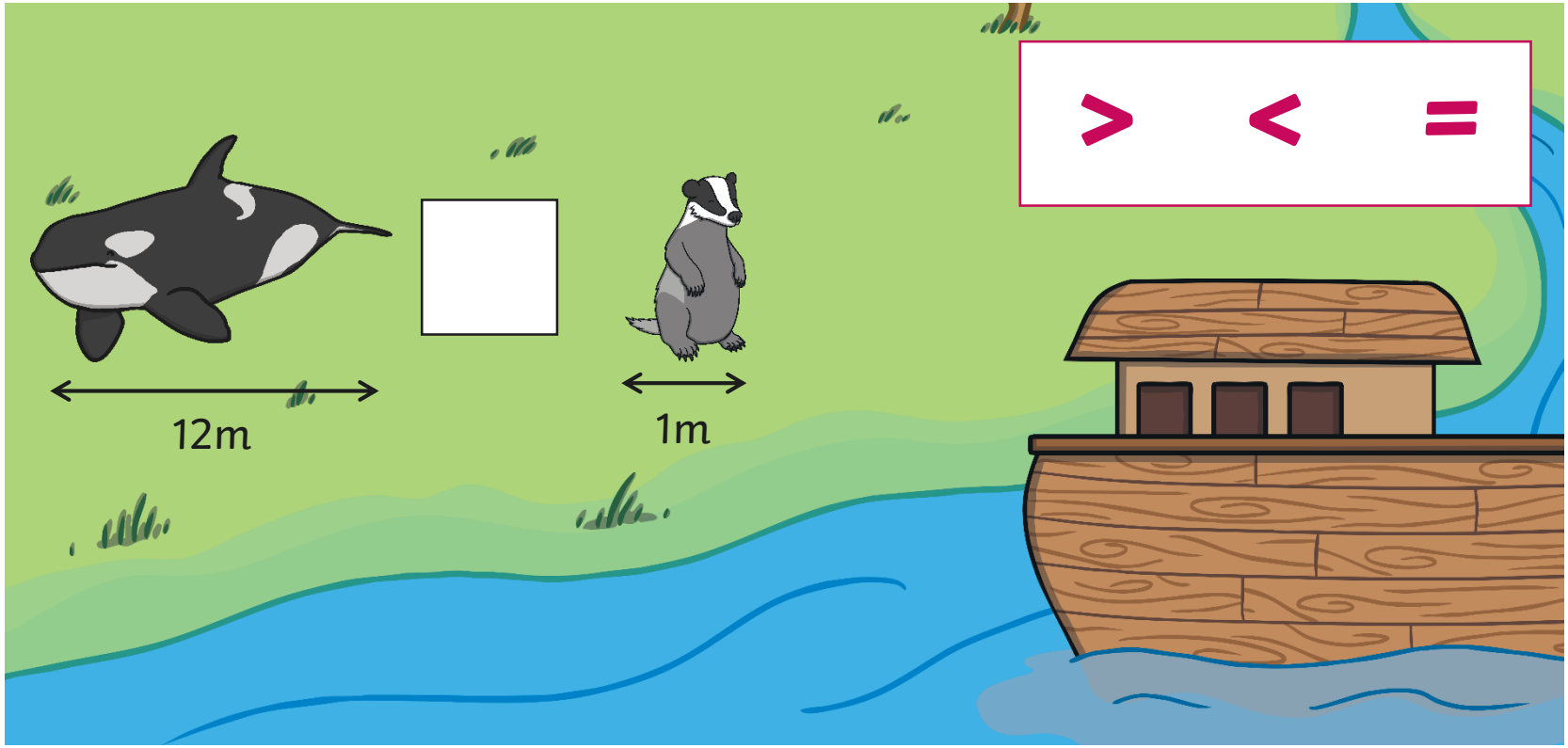
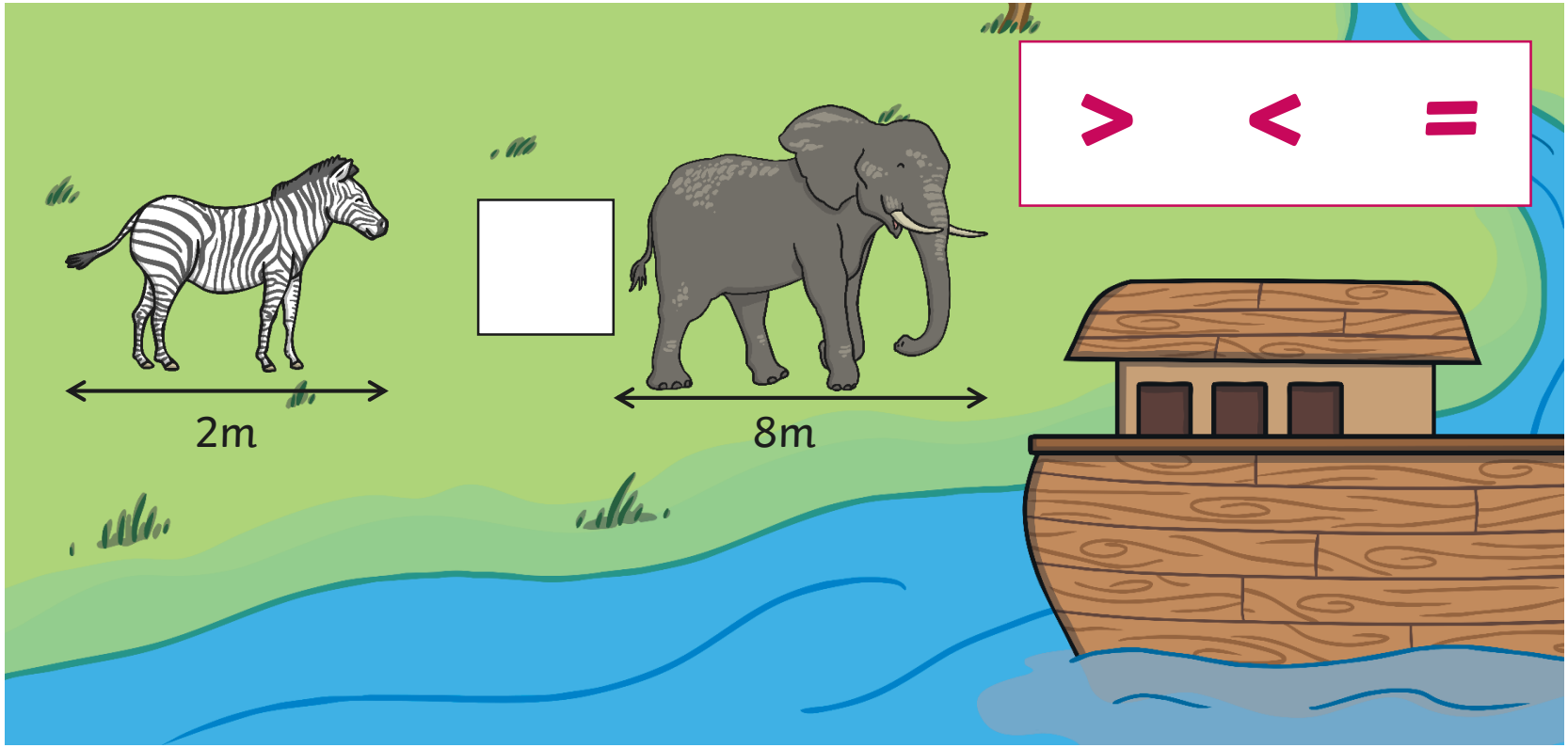


Compare the Animals

Whole Class

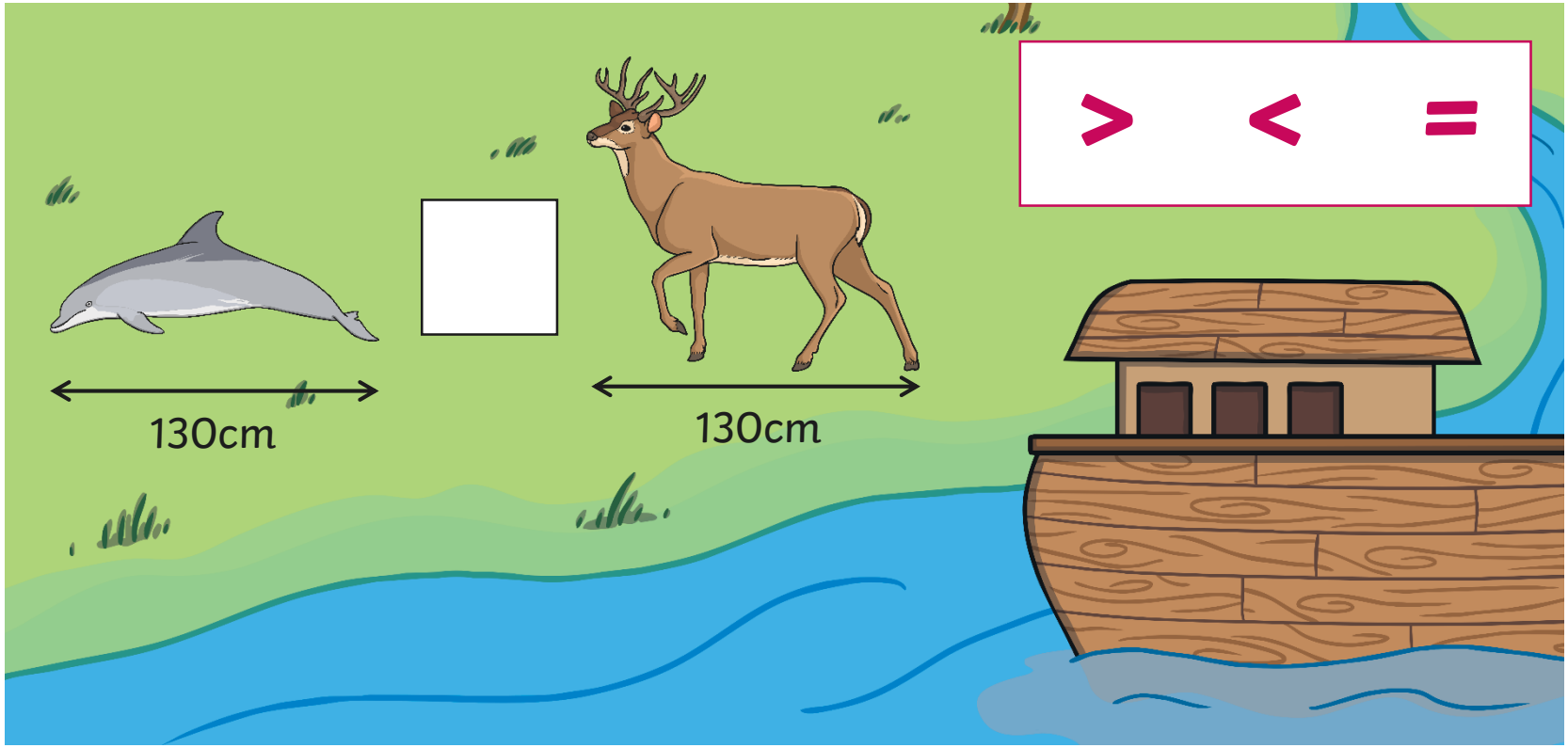
The animals are being measured before they get onto the ark. Help Noah to select the correct sign to compare their length.



Compare the Animals

Whole Class

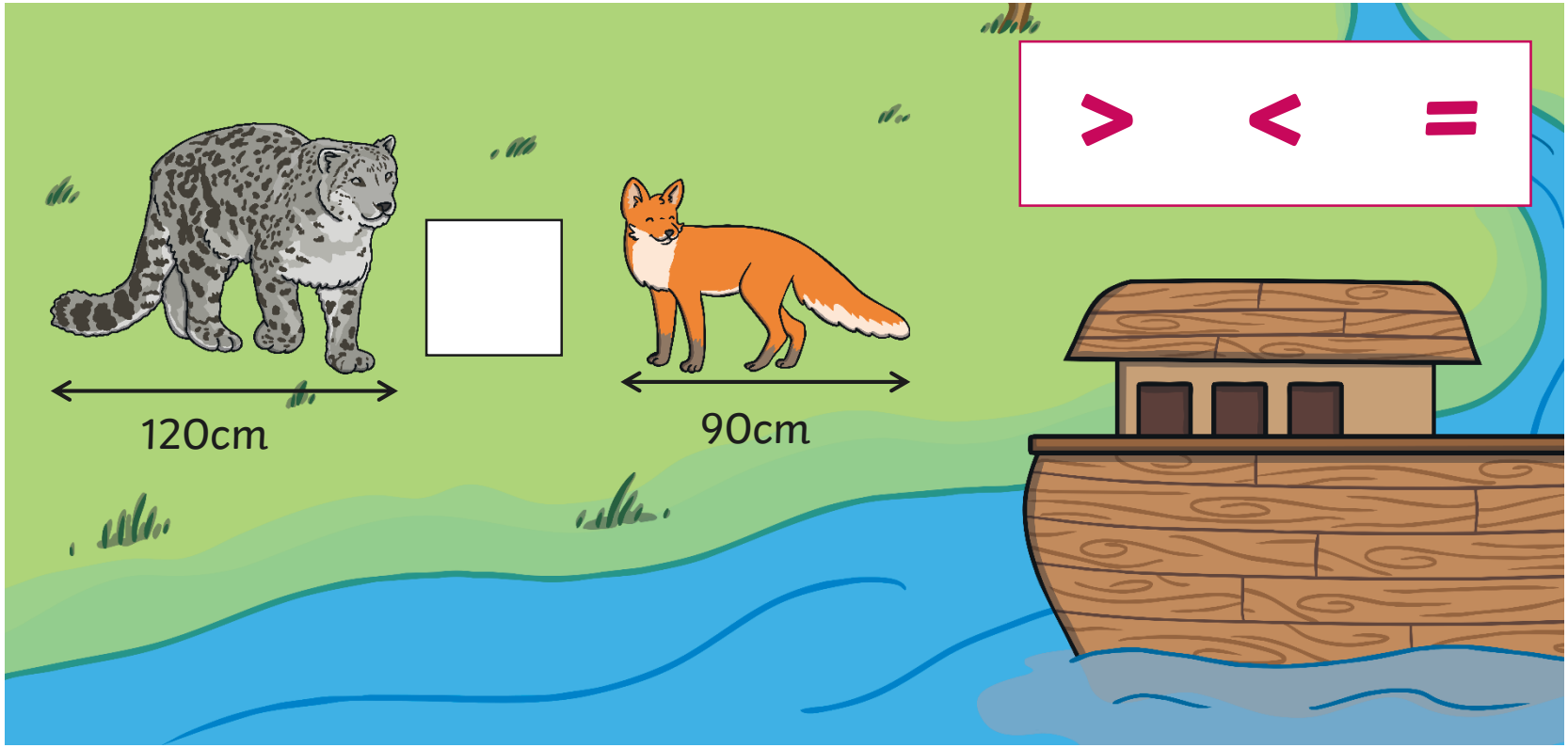
The animals are being measured before they get onto the ark. Help Noah to select the correct sign to compare their length.



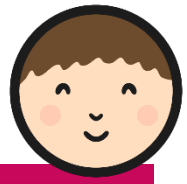
Compare the Animals

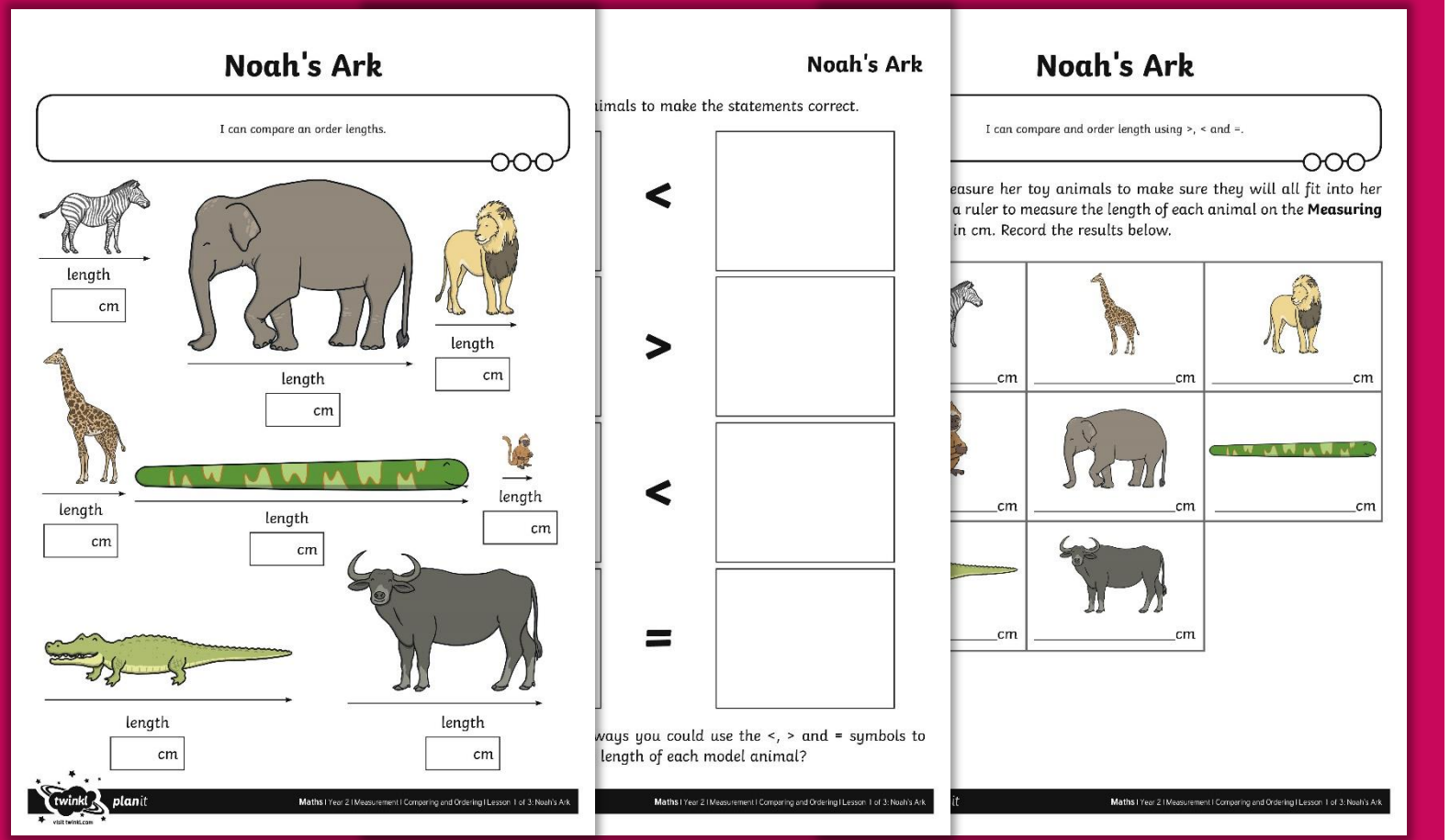
Whole Class

The animals are being measured before they get onto the ark. Help Noah to select the correct sign to compare their length.



Noah's Ark





Noah's Ark

I can compare an order lengths.

length
cm

length
cm

length
cm

length
cm

length
cm

length
cm

length
cm

length
cm

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Noah's Ark

imals to make the statements correct.

<

>

<

=

ways you could use the <, > and = symbols to length of each model animal?

Maths | Year 2 | Measurement | Comparing and Ordering | Lesson 1 of 3: Noah's Ark

Noah's Ark

I can compare and order length using >, < and =.

easure her toy animals to make sure they will all fit into her a ruler to measure the length of each animal on the **Measuring** in cm. Record the results below.

cm cm cm

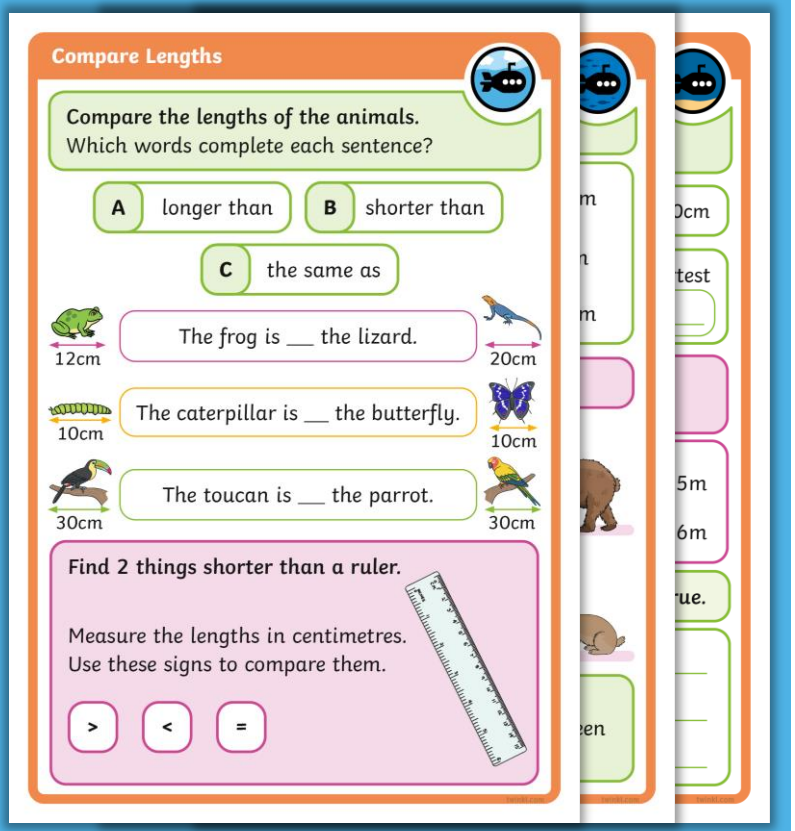
cm cm cm

cm cm

Maths | Year 2 | Measurement | Comparing and Ordering | Lesson 1 of 3: Noah's Ark

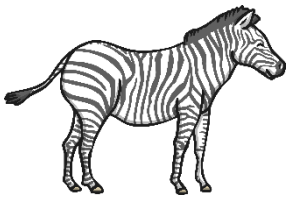
Diving into Mastery

Dive in by completing your own activity!

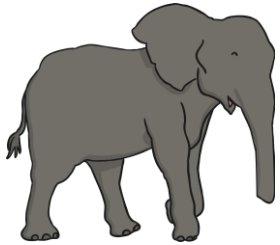


Sizing Up

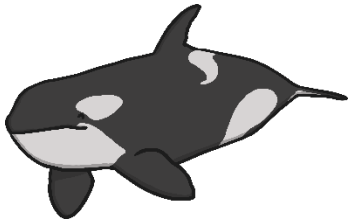
Arrange the animals in order of length.



2m

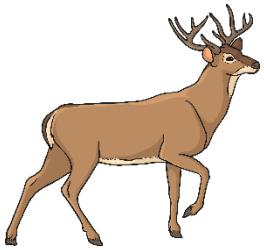


8m

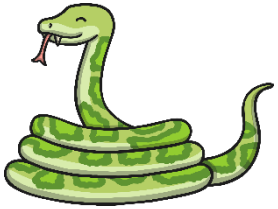


12m

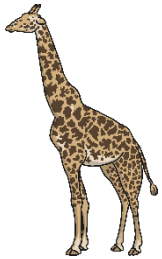
1m



1m



5m

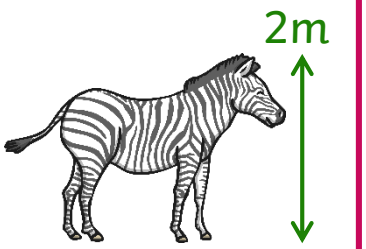


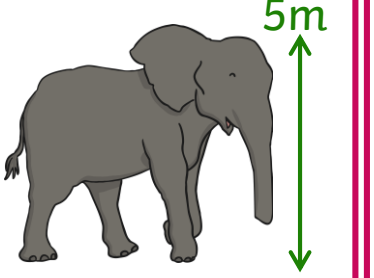
3m

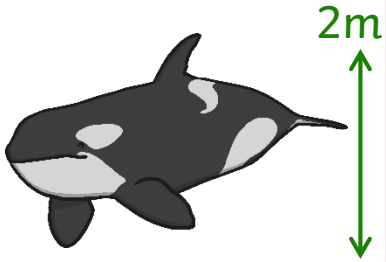
40cm

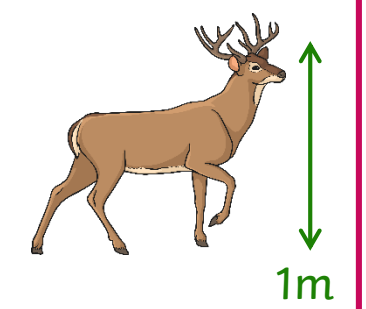
Sizing Up

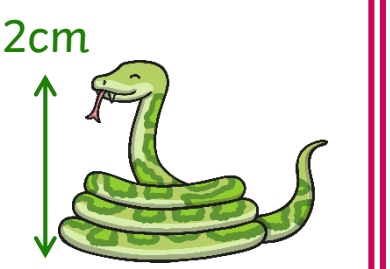
Now arrange the animals in order of height.

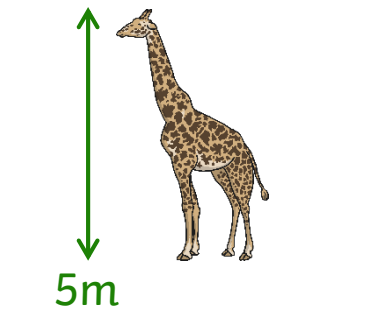


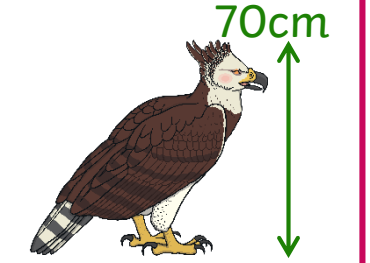










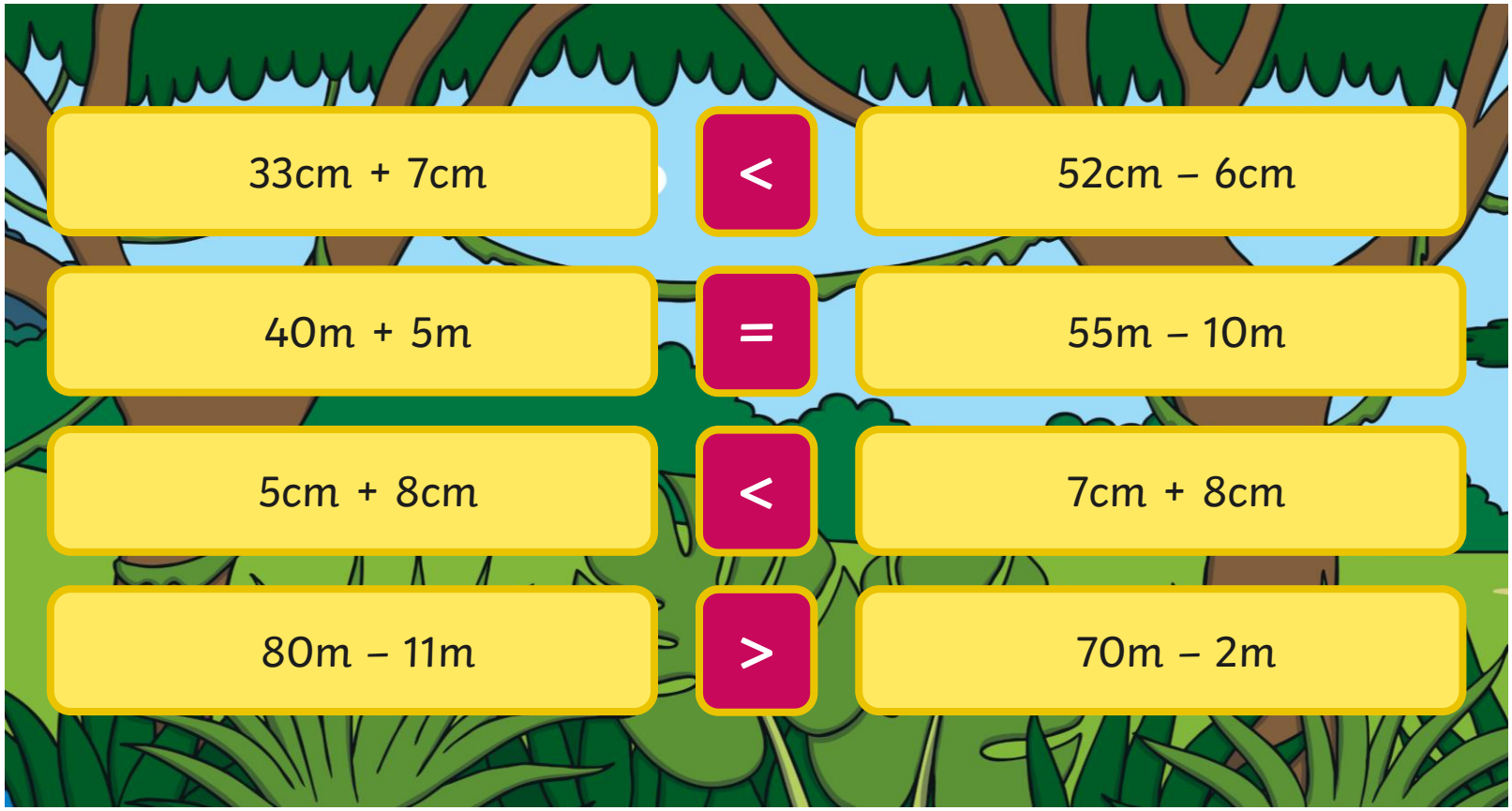


?

Were your arrangements the same? Can you explain why?

Comparing Length

Compare the measurements by using the correct symbol: <, > or =



Comparing Length

Make these comparisons true.

40m + **2**m	<	37m + **7**m
12cm – **5**cm	>	19cm – **15** cm
65m – **4**m	=	71m – **10** m
26cm + **18**cm	=	52cm – **8** cm

! There may be more than 1 possible answer.

Aim

- To compare and order lengths using >, < and =.

Success Criteria

- I can use language, such as ‘longer’ and ‘shorter’ to compare lengths.
- I can order objects by length.
- I can use the >, < and = signs to compare lengths.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