

## Compare Lengths

### Adult Guidance with Question Prompts



Children compare the length and height of objects using comparative language such as longest, tallest, shortest, longer than, taller than and shorter than. They use the same unit when making comparisons. Please point out to the children that the images and rulers are not to scale. Children use inequality symbols to compare lengths of different objects.

What does each symbol mean?

What unit have the animals been measured in?

How do you know?

How long is the frog? How long is the lizard?

Can you show me this on a ruler?

Which words would you choose to complete the sentence?

Can you explain why?

Can you find two objects that are shorter than the ruler?

Do you remember how to measure them accurately?

Which is the longest/shortest?

Which sign would you use to compare them?

What if you swapped them around?

## Compare Lengths



Compare the lengths of the animals.

Which words complete each sentence?

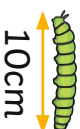
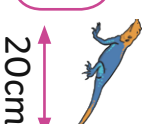
**A** longer than

**B** shorter than

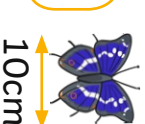
**C** the same as



The frog is \_\_\_ the lizard.



The caterpillar is \_\_\_ the butterfly.



The toucan is \_\_\_ the parrot.



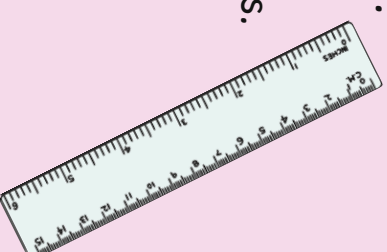
Find 2 things shorter than a ruler.

Measure the lengths in centimetres.  
Use these signs to compare them.

>

<

=



## Compare Lengths

### Adult Guidance with Question Prompts



Children compare the length and height of objects using comparative language such as longest, tallest, shortest, longer than, taller than and shorter than. Children understand that metres are greater than centimetres. They use the same unit when making comparisons. Please point out to the children that the images and rulers are not to scale. Children use inequality symbols to compare lengths and solve clues to find the heights of different animals.

What do these signs tell us?

What do these letters mean? (cm, m)

Can you show me a centimetre/metre?

Which is longer/shorter? Remember this when you compare the lengths.

Which sign would you choose?

Can you explain your reasoning?

What does the bear mean by 'taller'?

How is this different to 'longer'?

How can we find the height of the bear?

How can we find the height of the mouse?

Find two objects that you can measure with a ruler.

How can you find the difference between the shortest and the tallest object? 'The \_\_\_\_\_ is \_\_\_\_\_ cm taller than the \_\_\_\_\_.'

## Compare Lengths



Use these signs to compare lengths.

>

=

<

14cm

14cm

17cm

17m

1m

11cm

How tall are the animals?

I am 1m taller than the tiger.

1m

I am 10cm shorter than the rabbit.

20cm

Measure the heights of 2 objects.

In centimetres, what is the difference between their heights?

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How tall is each animal?

Which is the tallest/shortest? How do you know?

What do you know about metres and centimetres that will help you?

Can you order them from the tallest to the shortest?

Which measurement is the biggest? What symbol do you need to use?

Which measurement is the smallest? What symbol do you need to use?

How could you work out which measurement is the biggest/smallest?

How can you check your comparisons are true?

Compare your answer with your friend. Did you get the same?

## Compare Lengths



Can you order the animals from the tallest to the shortest?



1m 60cm



2m



1m 10cm

tallest

shortest

Compare the measurements by using the correct symbol:  $>$   $=$   $<$

$5\text{m} + 7\text{m}$

$18\text{m} - 5\text{m}$

$22\text{m} + 7\text{m}$

$23\text{m} + 6\text{m}$

Write a length to make each comparison true.

$50\text{cm} + \underline{\hspace{2cm}} > 60\text{cm} + \underline{\hspace{2cm}}$

$25\text{m} + \underline{\hspace{2cm}} = 15\text{m} + \underline{\hspace{2cm}}$

$46\text{cm} + \underline{\hspace{2cm}} > 41\text{cm} + \underline{\hspace{2cm}}$