





**Aim** 

• I can convert between millimetres, centimetres and metres.

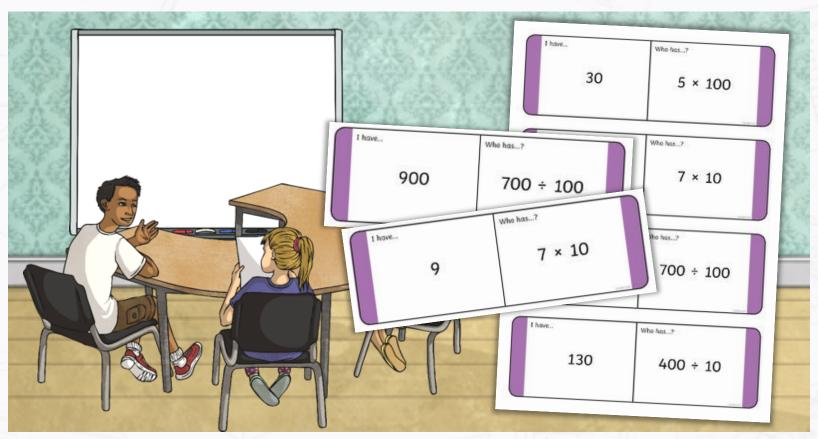
#### **Success Criteria**

- I can convert from millimetres to centimetres by diving by 10.
- I can convert from centimetres to millimetres by multiplying by 10.
- I can convert from centimetres to metres by dividing by 100.
- I can convert from metres to centimetres by multiplying by 100.

### Loop Cards!



As a class, play the **Loop Card Game**. Redistribute the cards and play again to try to beat your time.



#### Units of Length



Write down as many metric units of length you can think of.





#### Units of Length

Whole Class

Put these units of measurement in order from smallest to largest.

metre

centimetre

kilometre

millimetre



### Units of Length

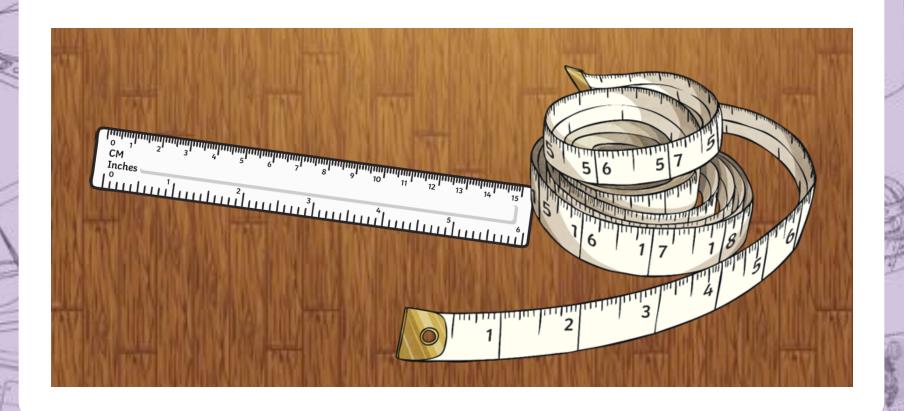


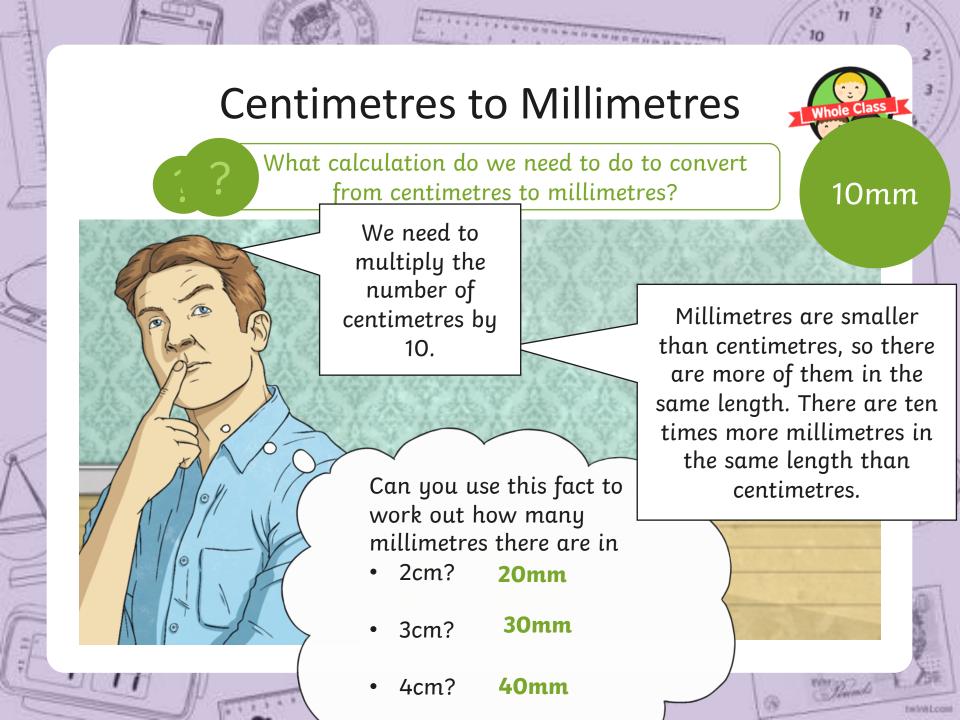
millimetre

centimetre

metre

kilometre



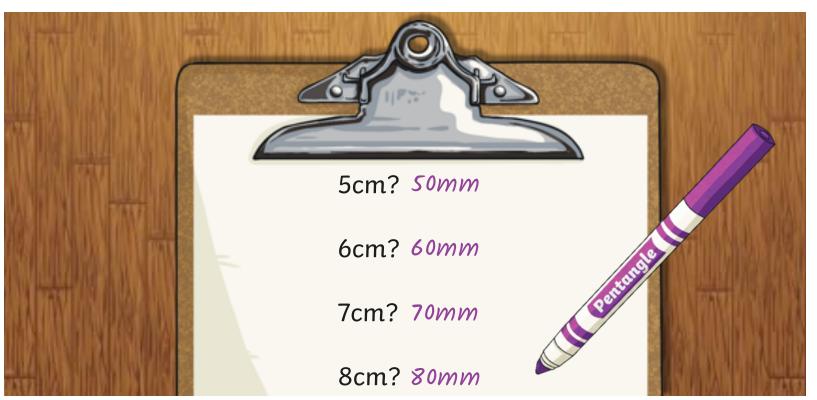


#### Centimetres to Millimetres

Whole Class

Remember, to convert from centimetres to millimetres, we need to multiply the number of centimetres by 10.

How many millimetres are there in



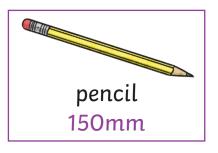
#### Order the Objects



Some of these objects have been measured in centimetres and some in millimetres.



What do we need to do to help us order the objects from longest to shortest?











#### Order the Objects



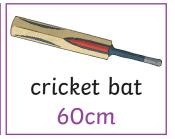
First, change the measurements into the same unit. We can convert the cm into mm by multiplying by 10.











280mm

600mm

Next , order them.





£5 125mm





280mm



600mm

twinttoon

## Converting Millimetres to Centimetres



To convert millimetres to centimetres, we use the inverse operation and divide the number of millimetres by 10:

 $70mm \div 10 = 7cm$ 

If this creates a decimal number, the tenths represent millimetres:

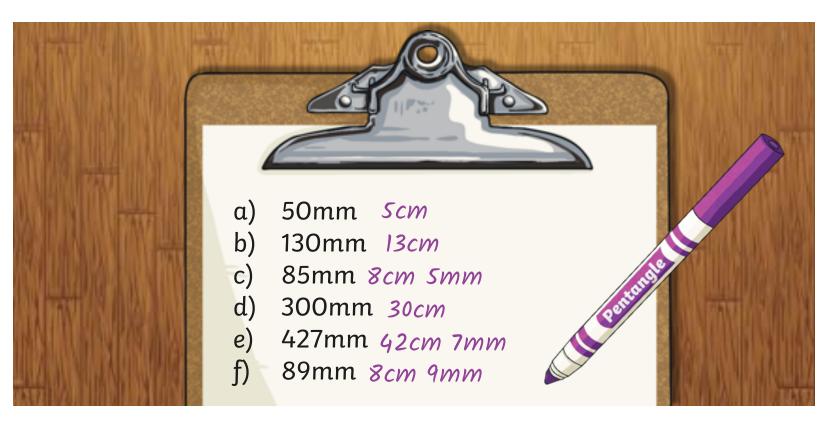
125mm ÷ 10 = 12.5 = 12cm 5mm



# Converting Millimetres to Centimetres



Convert these millimetre measurements into centimetres.



#### Metres to Centimetres



What calculation do we need to do to convert from metres to centimetres?



100cm



Can you use this fact to work out how many centimetres there are in

2m? 200cm

We need to multiply the number of metres by 100.

3m? **300cm** 

4m? 400cm

Centimetres are smaller than metres, so there are more of them in the same length. There are a hundred times more centimetres in the same length than metres.

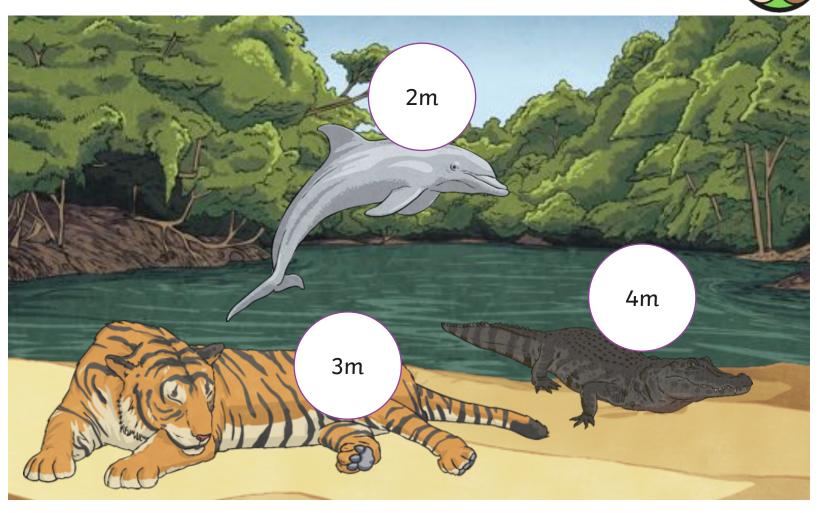
#### Metres to Centimetres

Whole Class

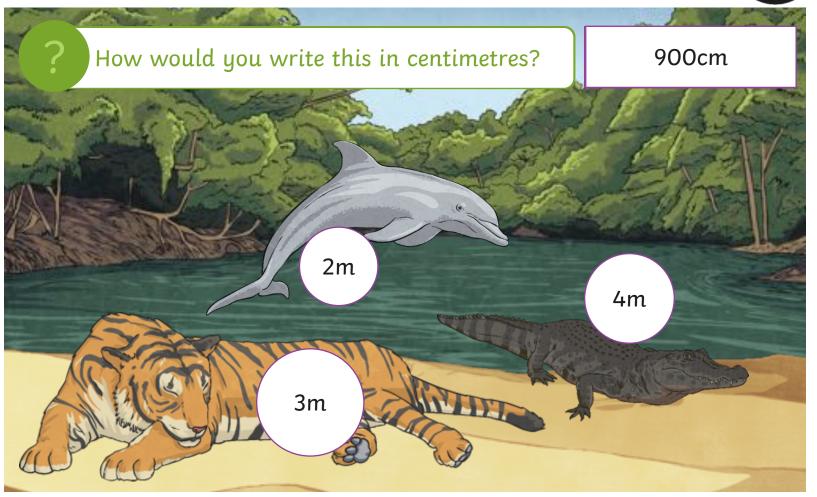
Remember, to convert from metres to centimetres, we need to multiply the number of metres by 100.

How many centimetres are there in

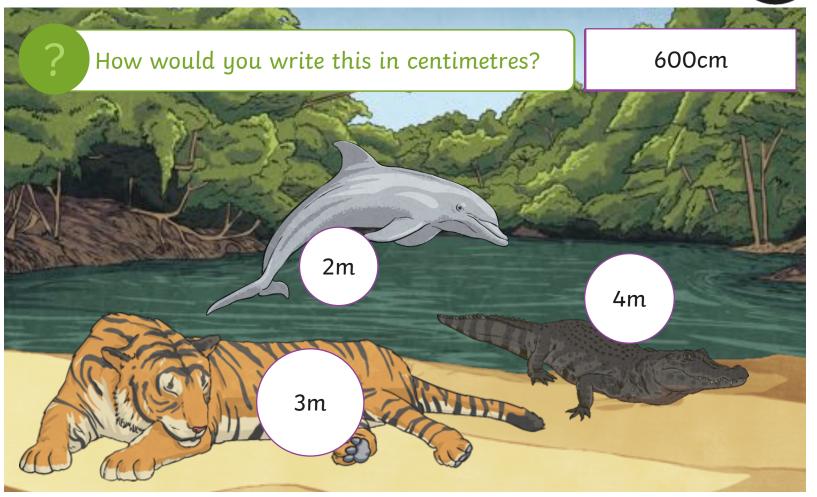




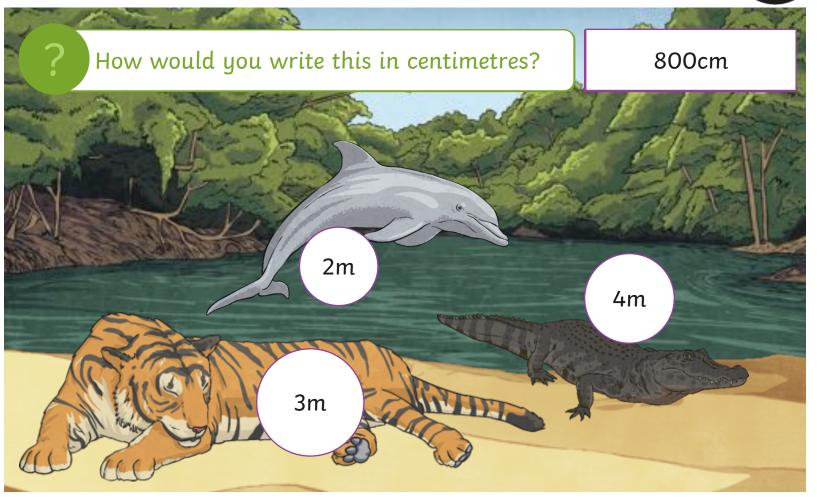




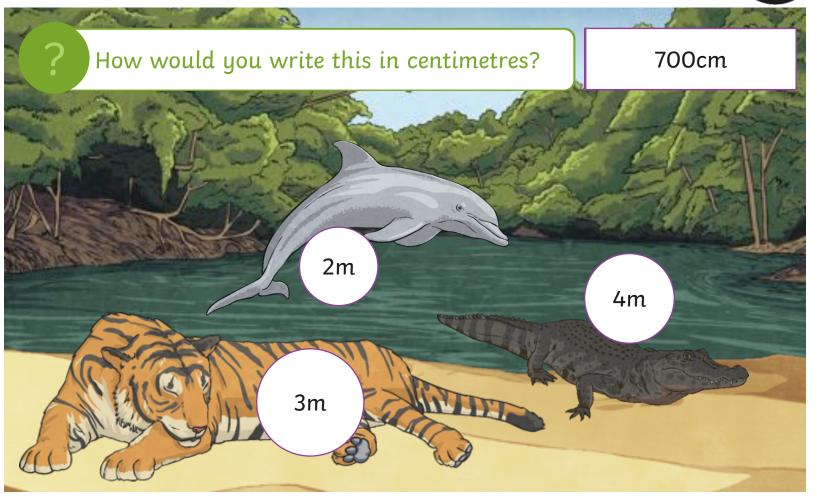




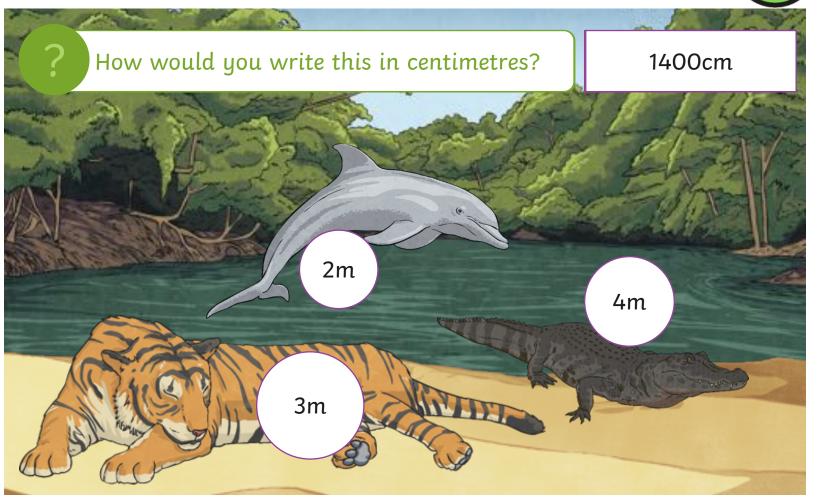








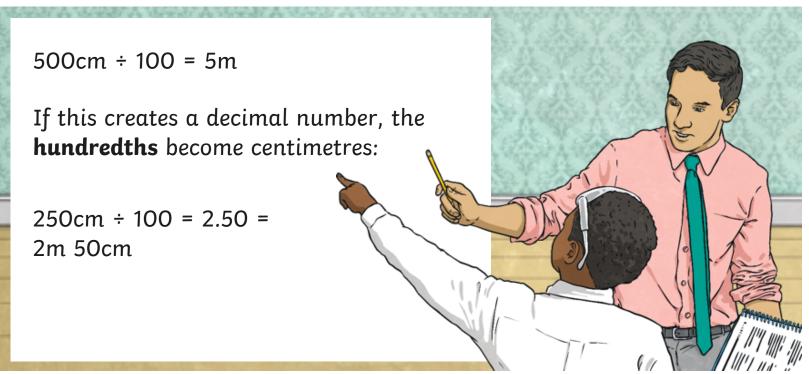




## Converting Centimetres to Metres



To convert centimetres to metres, we use the inverse operation and **divide** the number of centimetres by 100:

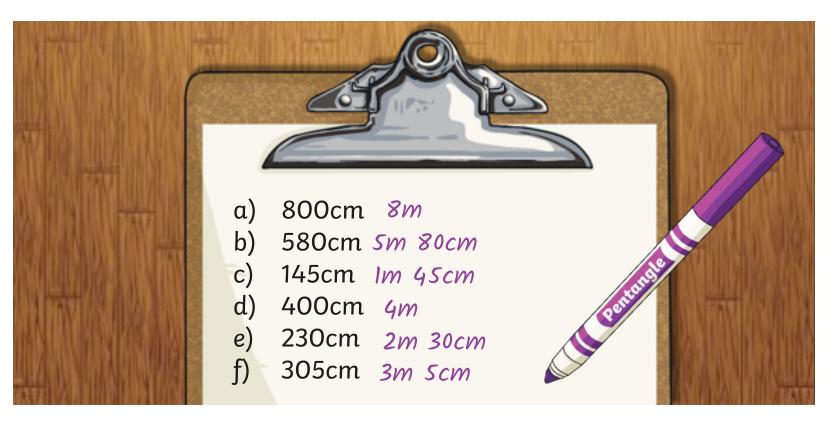


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## Converting Centimetres to Metres



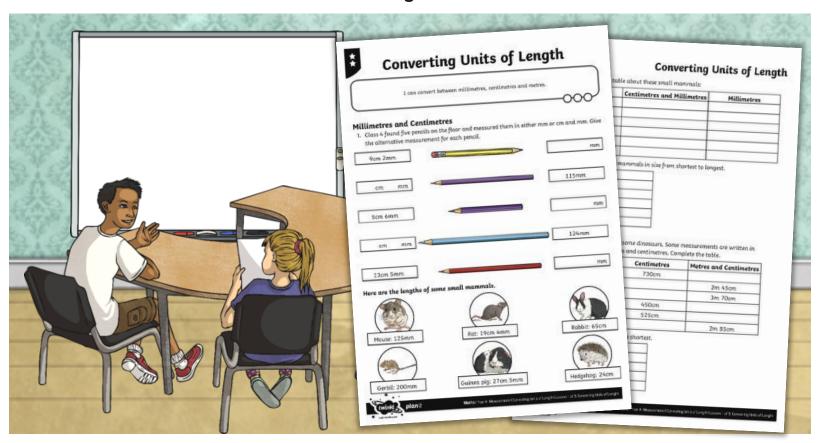
Convert these centimetre measurements into metres.



#### Converting Units of Length



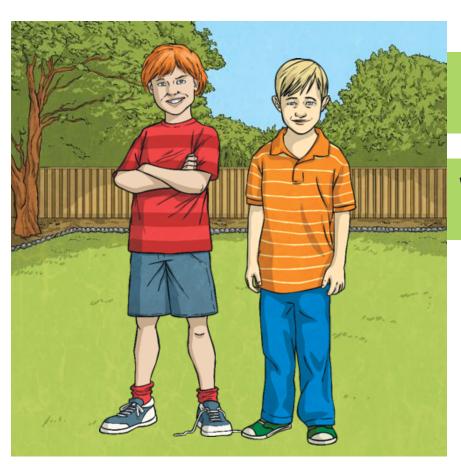
Use the fabulous skills you have learned to complete this activity sheet.



#### **Conversion Problem**

Whole Class

The combined height of Lewis and his cousin Jack is 278cm.



Lewis measures 1m 35cm.

Write Jack's height in both m and cm and in cm alone.

1m 43cm or 143cm

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