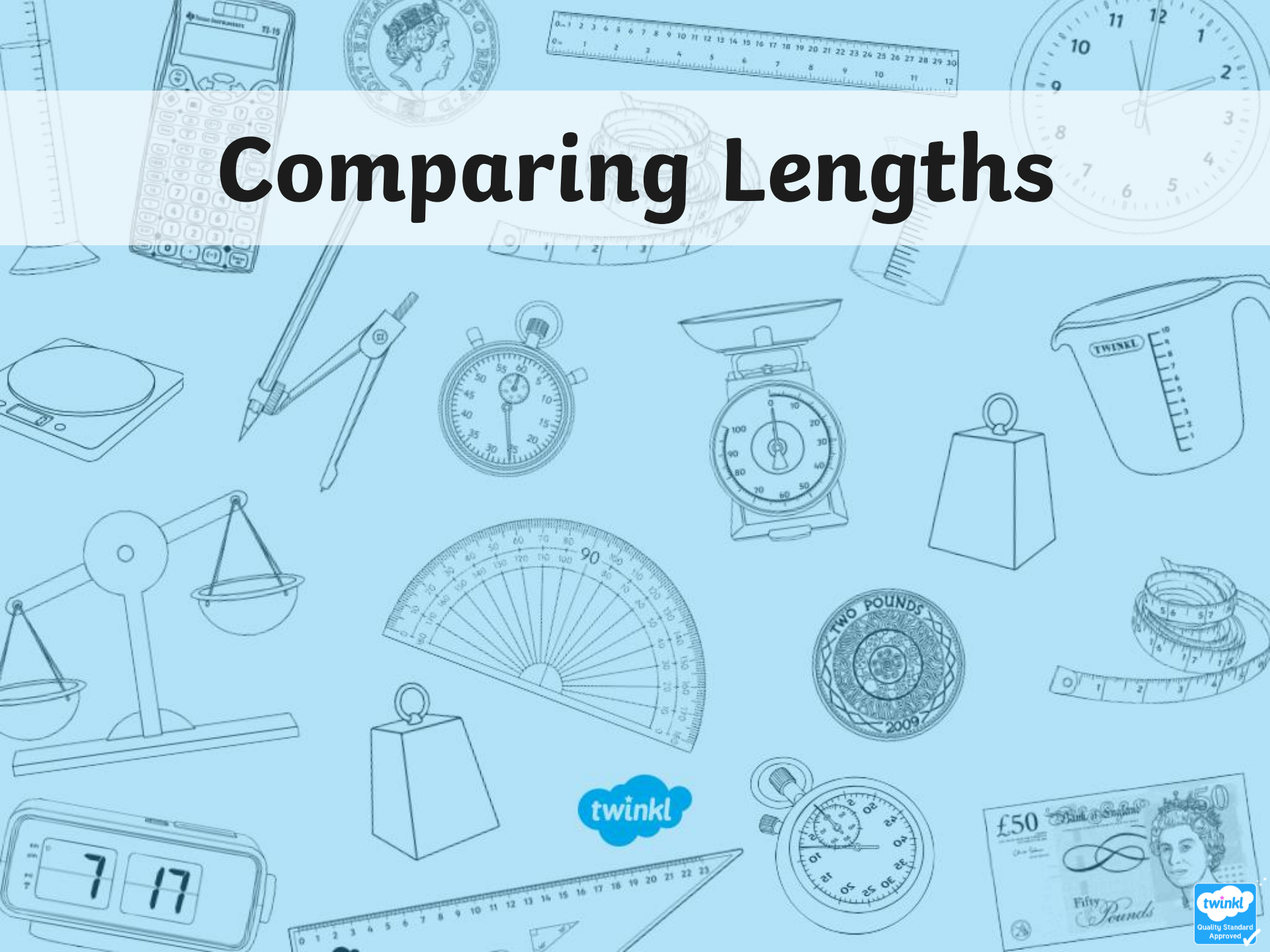


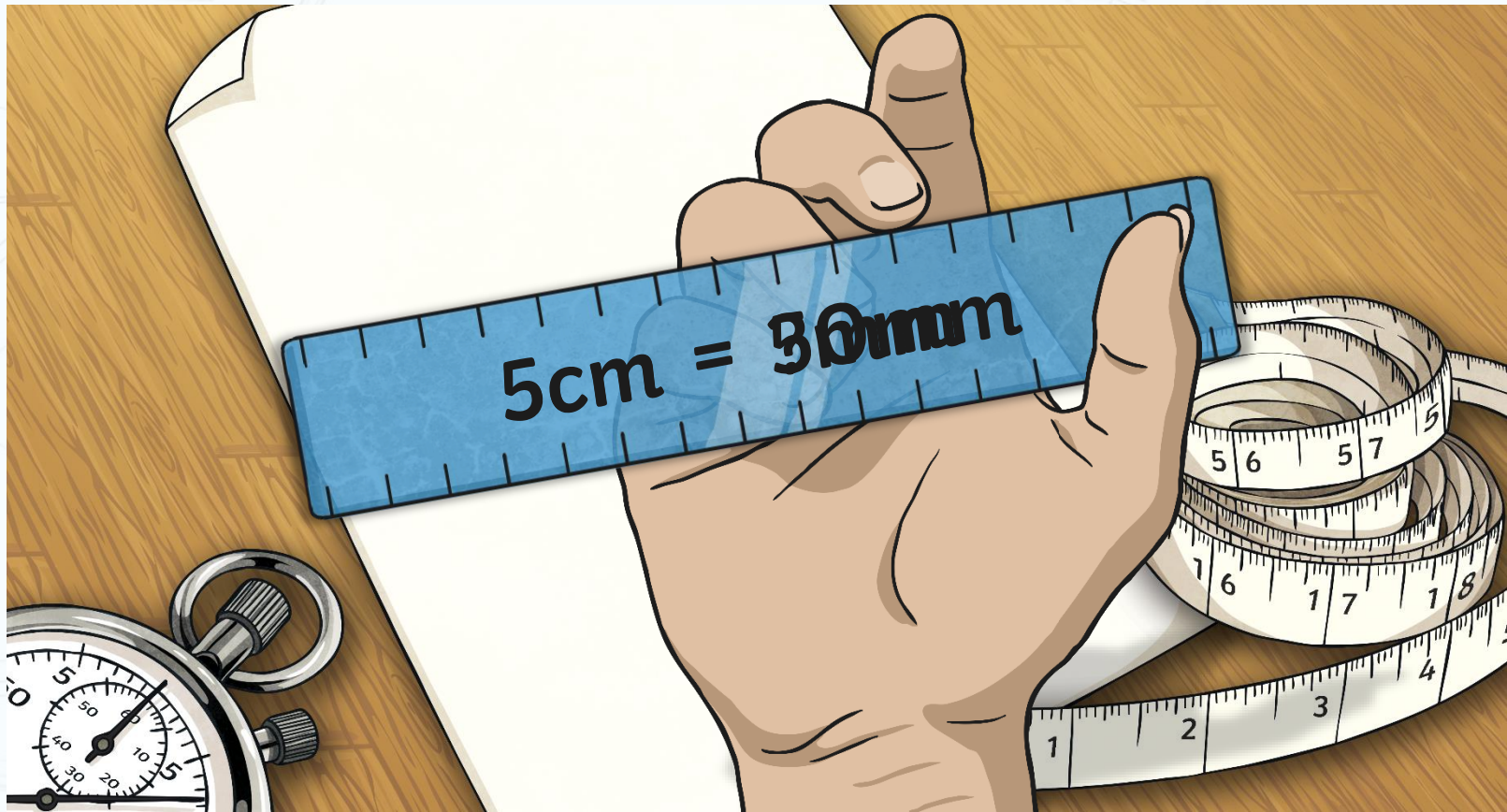
Comparing Lengths



Convert It



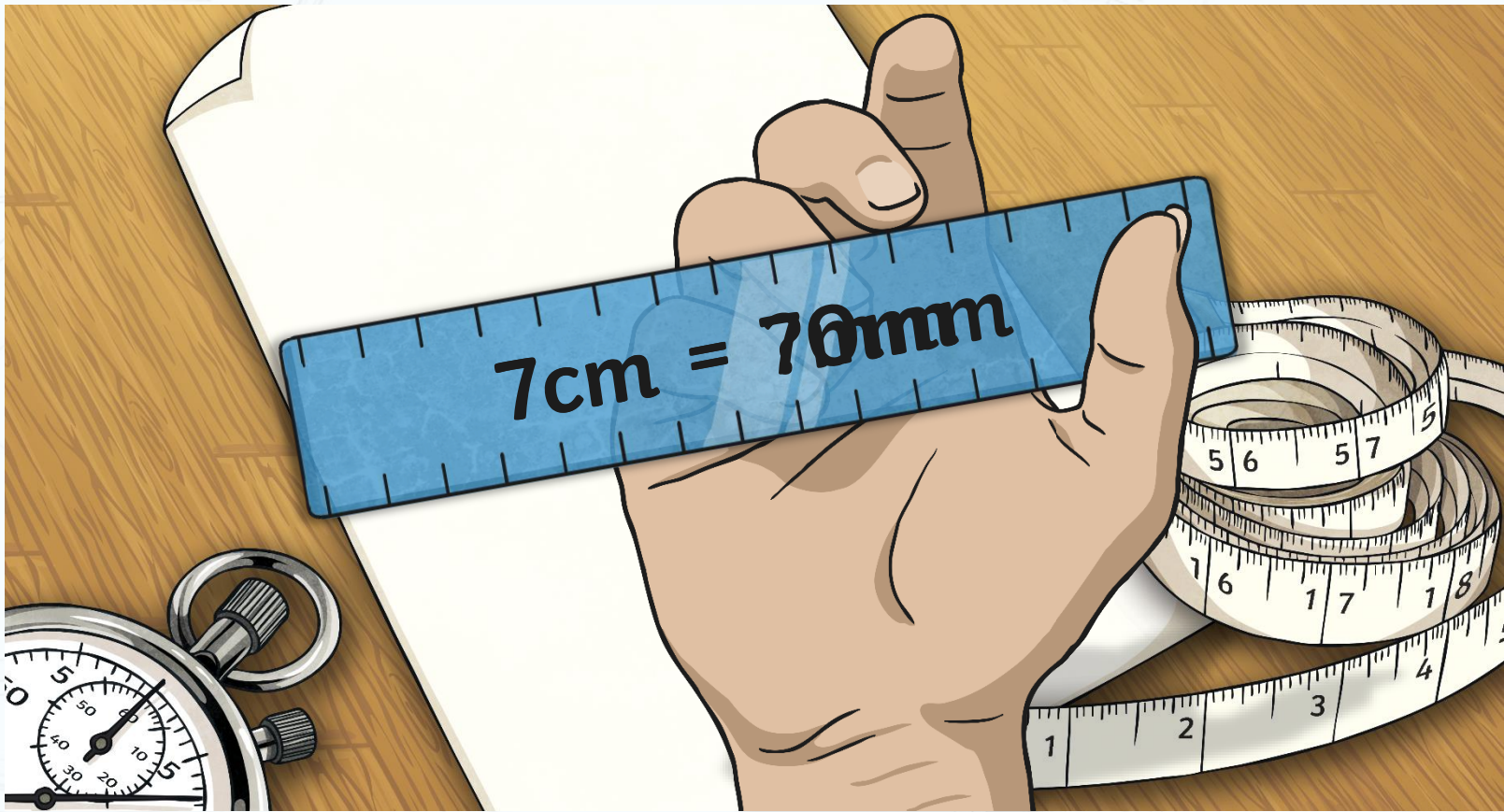
There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



Convert It



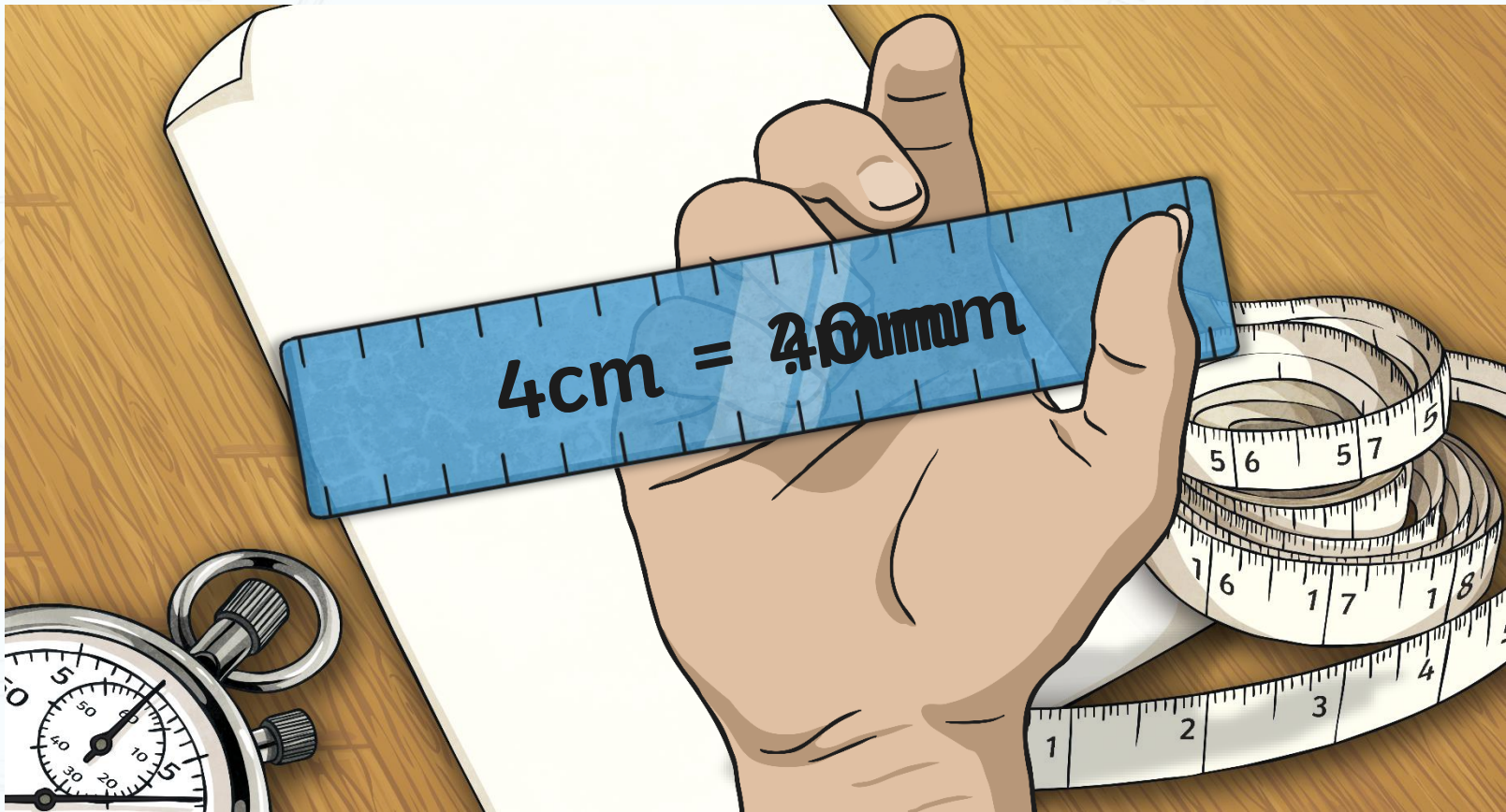
There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



Convert It

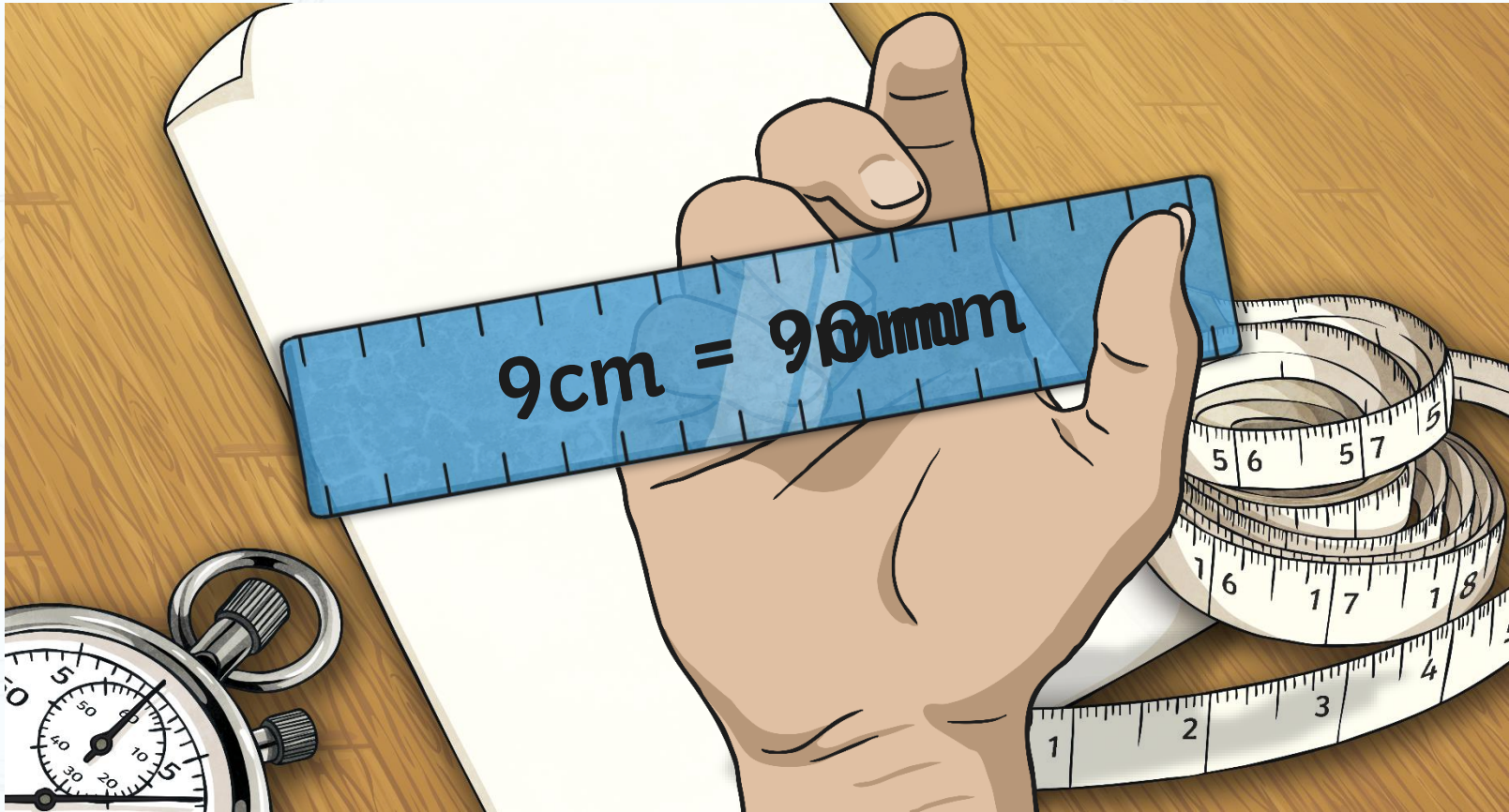


There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



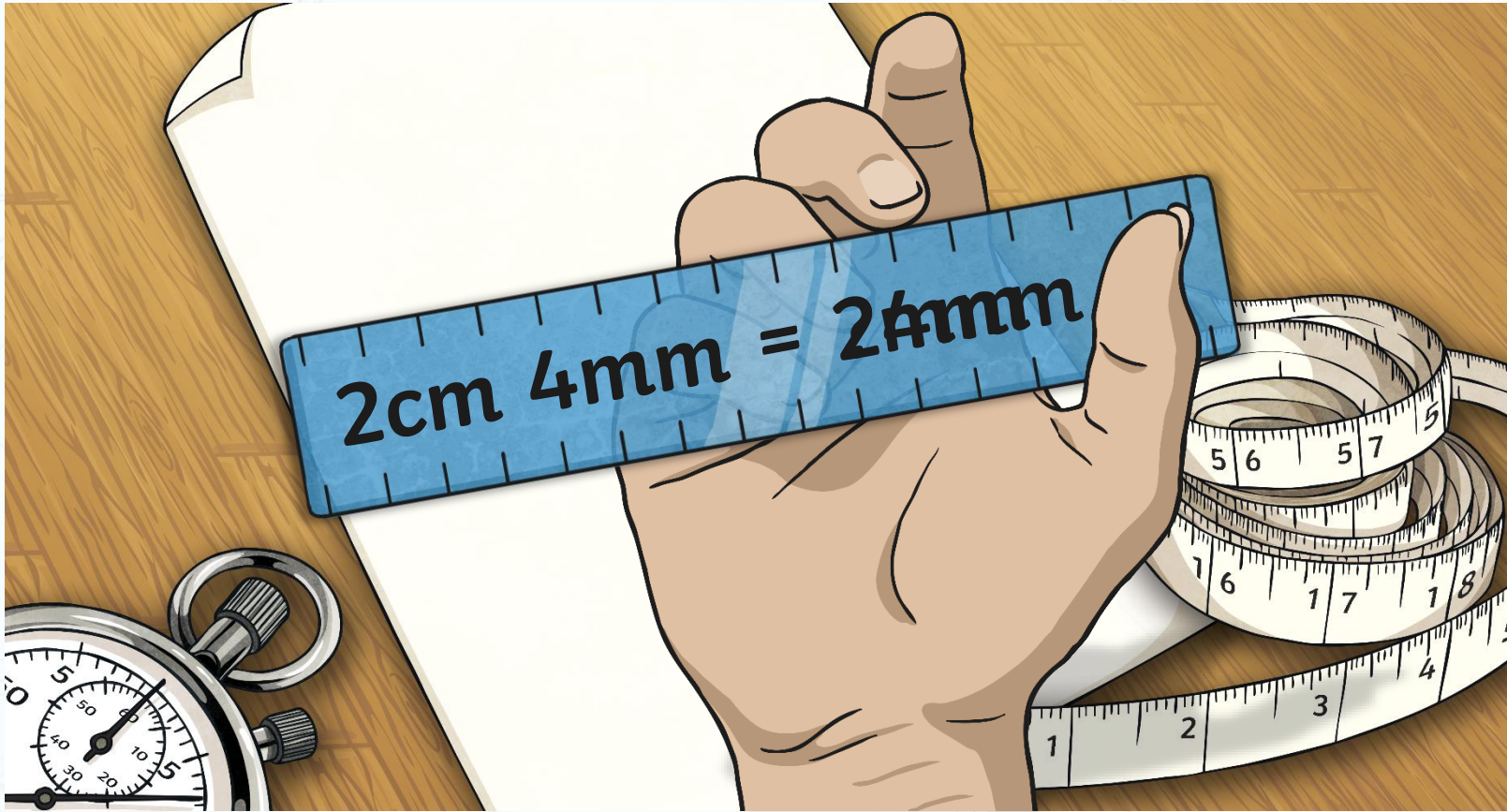
Convert It

There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



Convert It

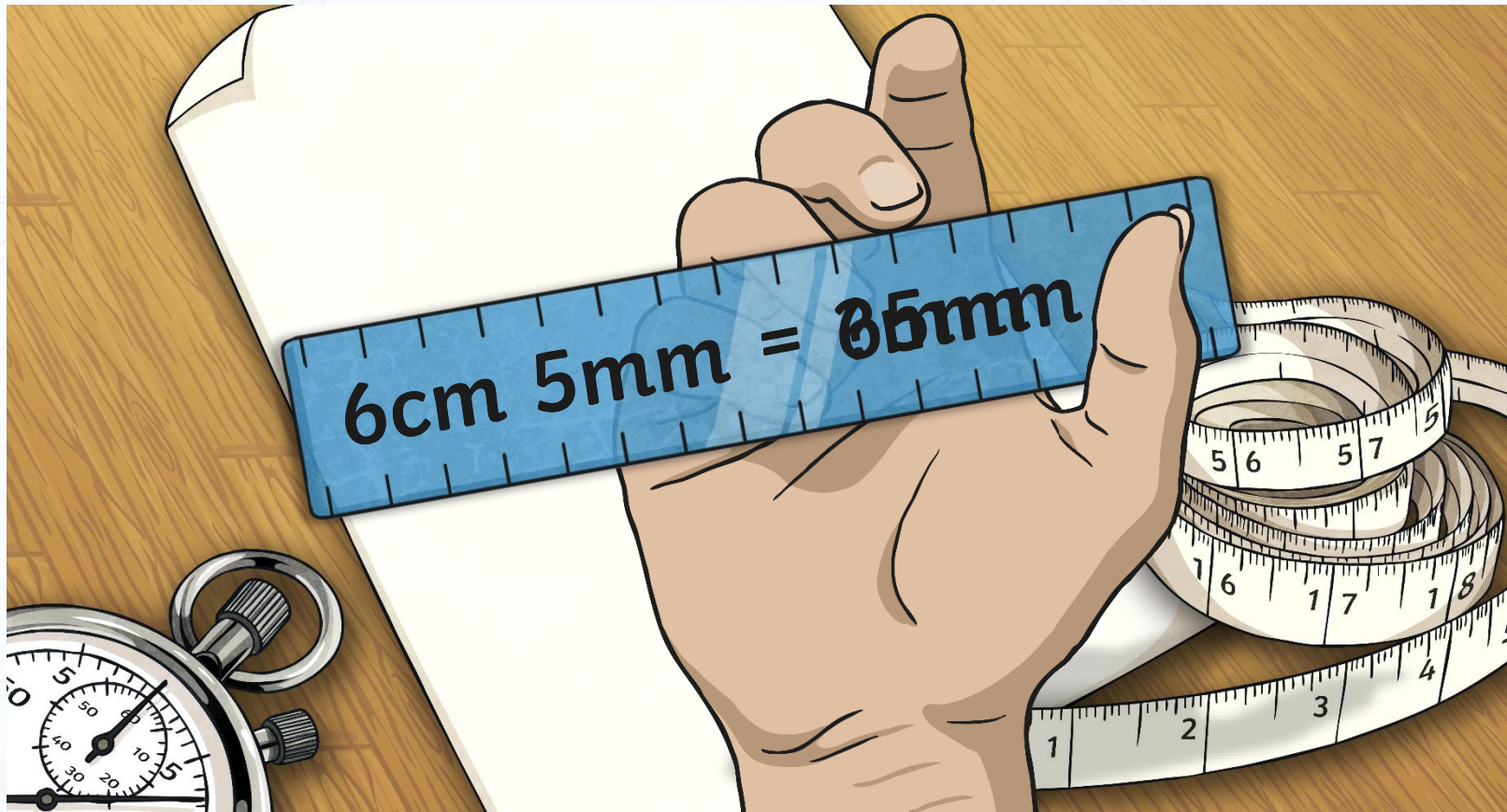
There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



Convert It

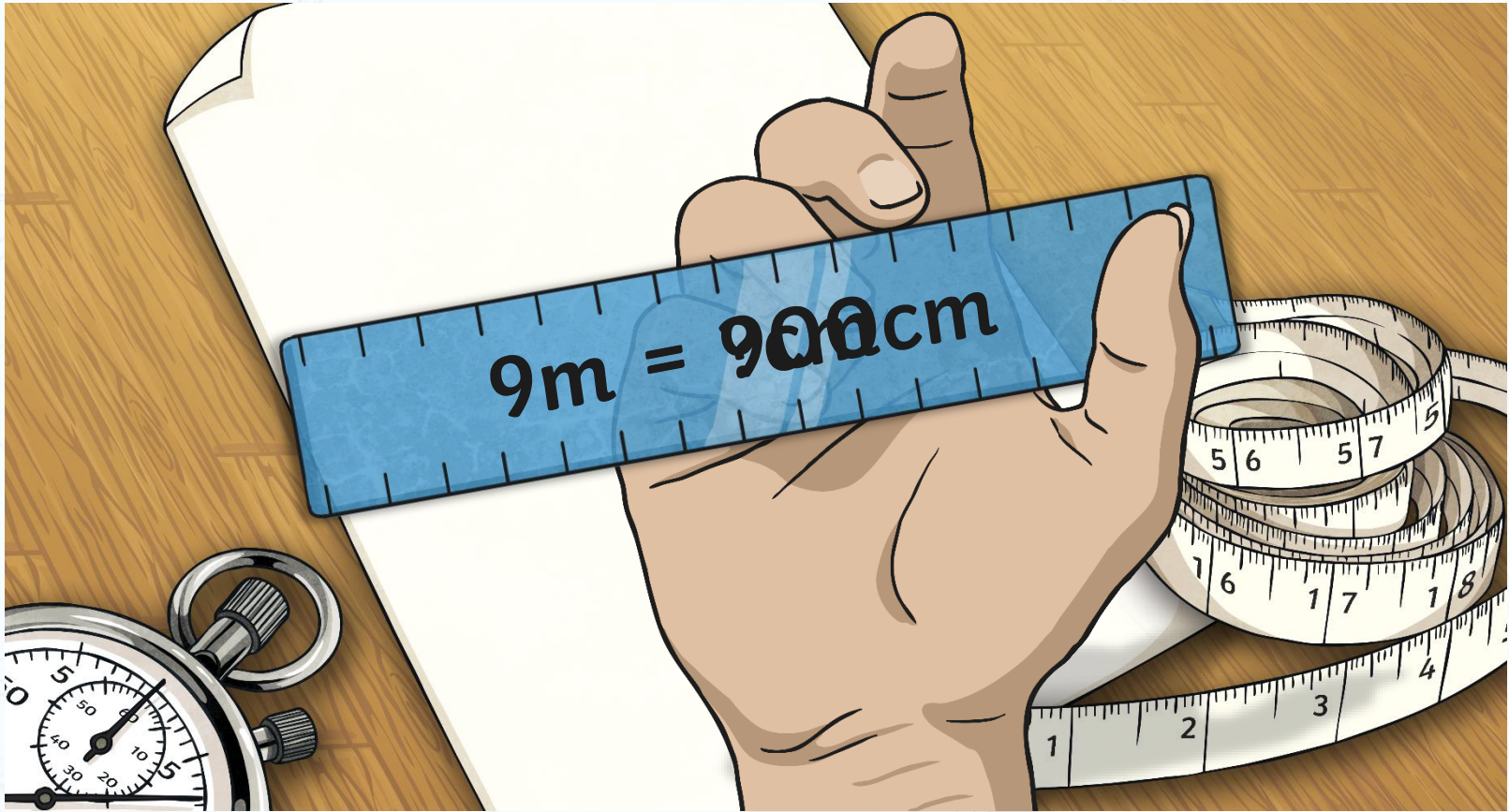


There are 10 millimetres in 1 centimetre.
Convert these centimetre measurements to millimetres:



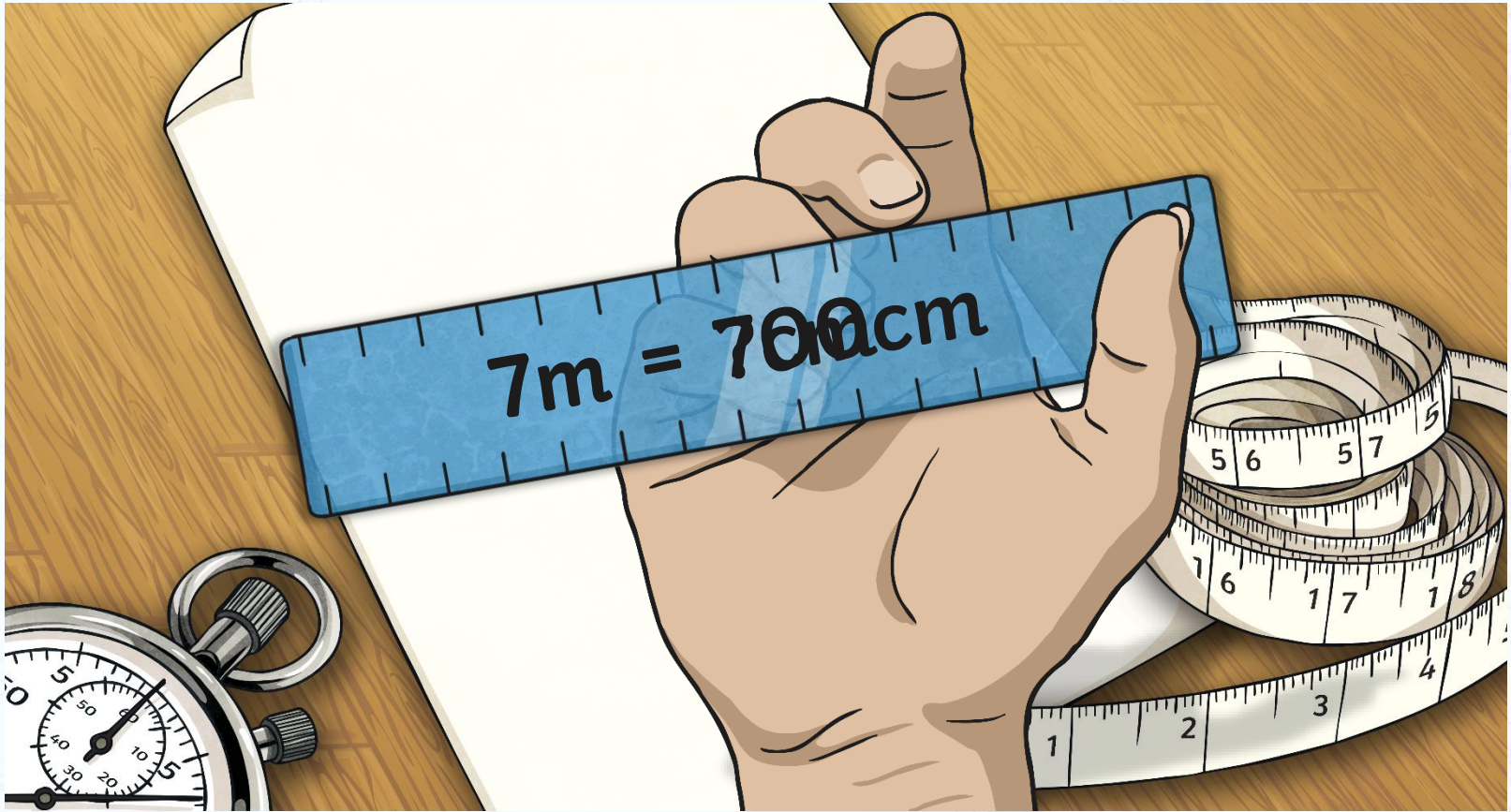
Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:



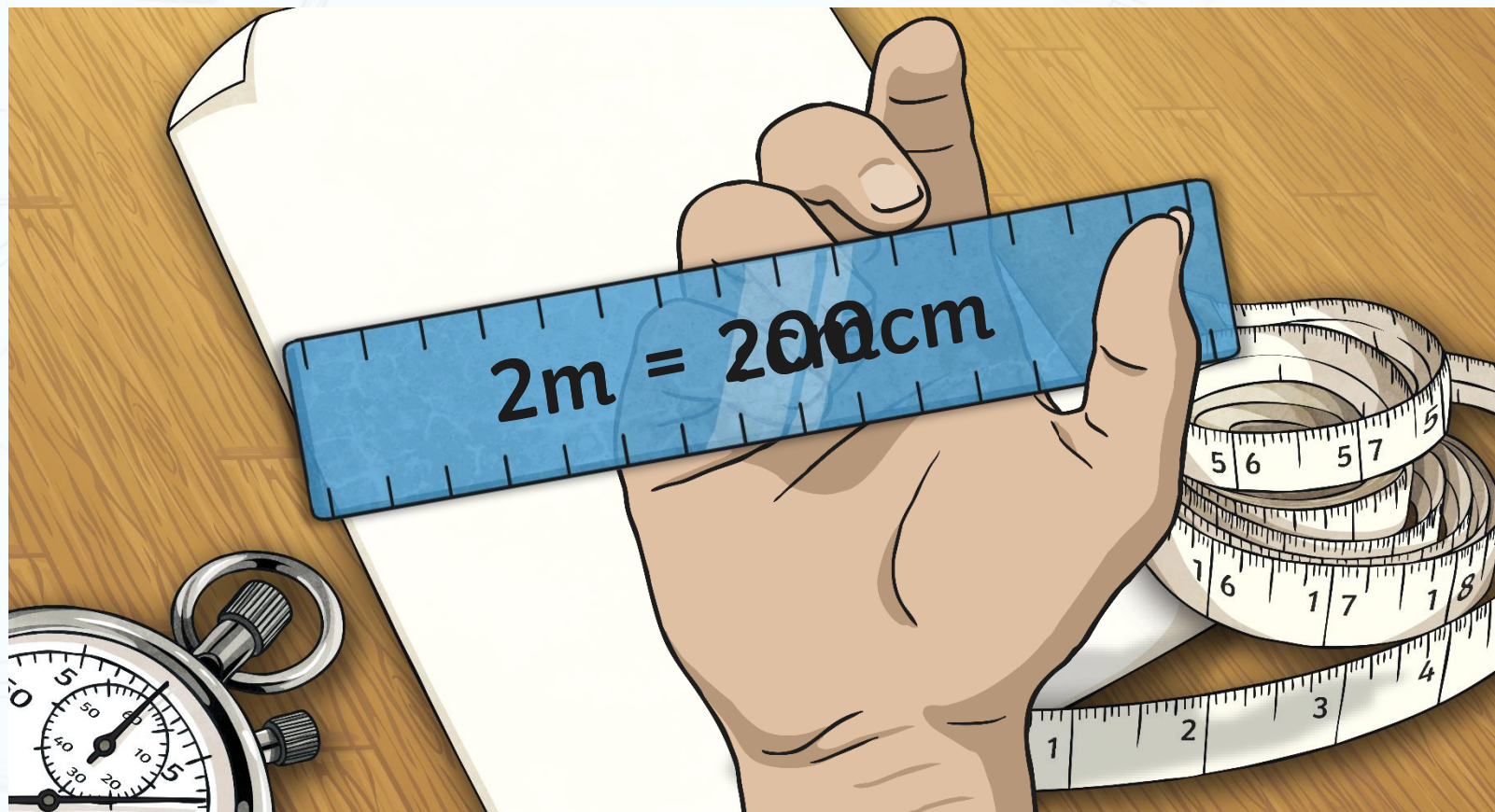
Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:



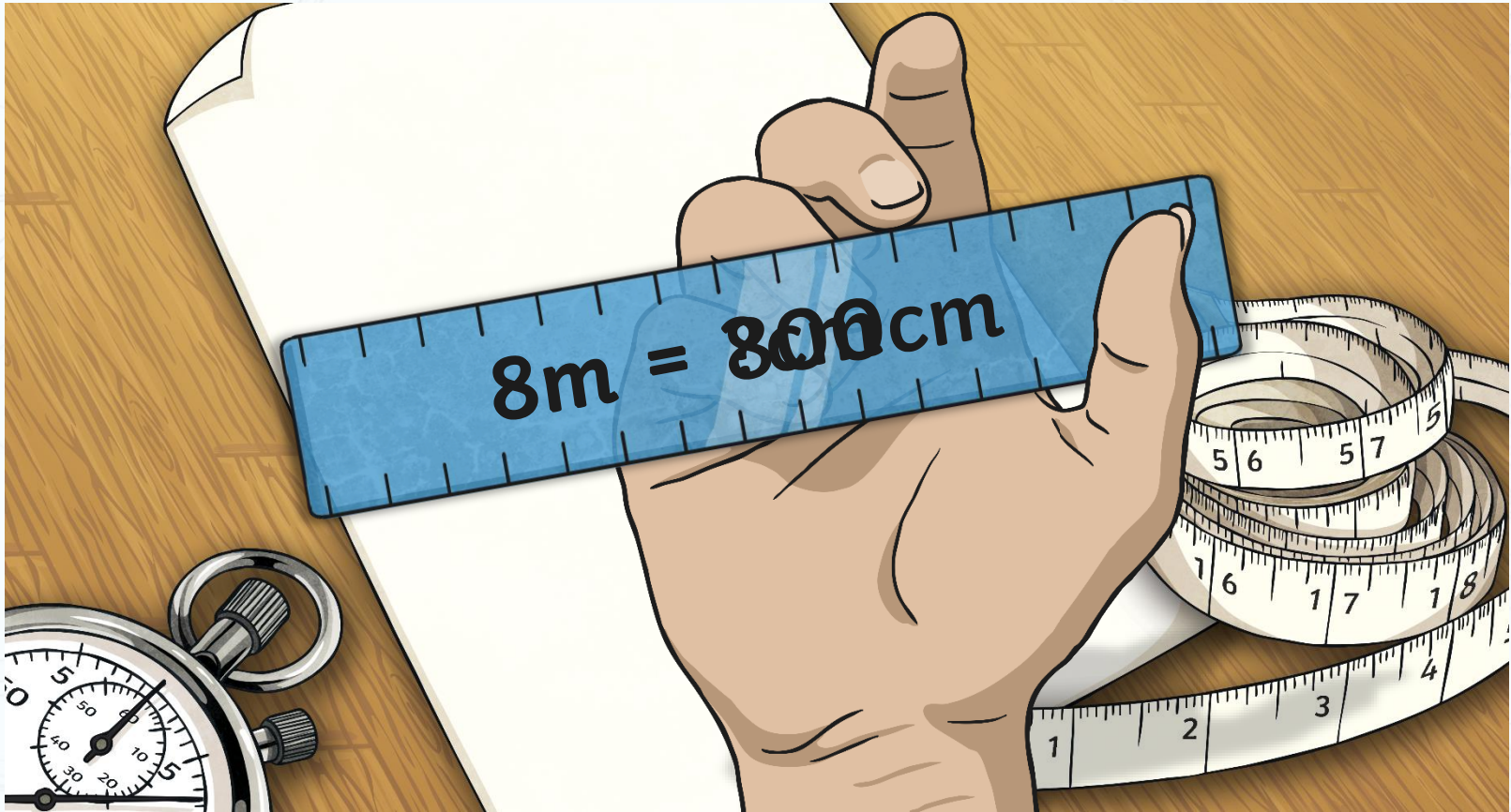
Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:



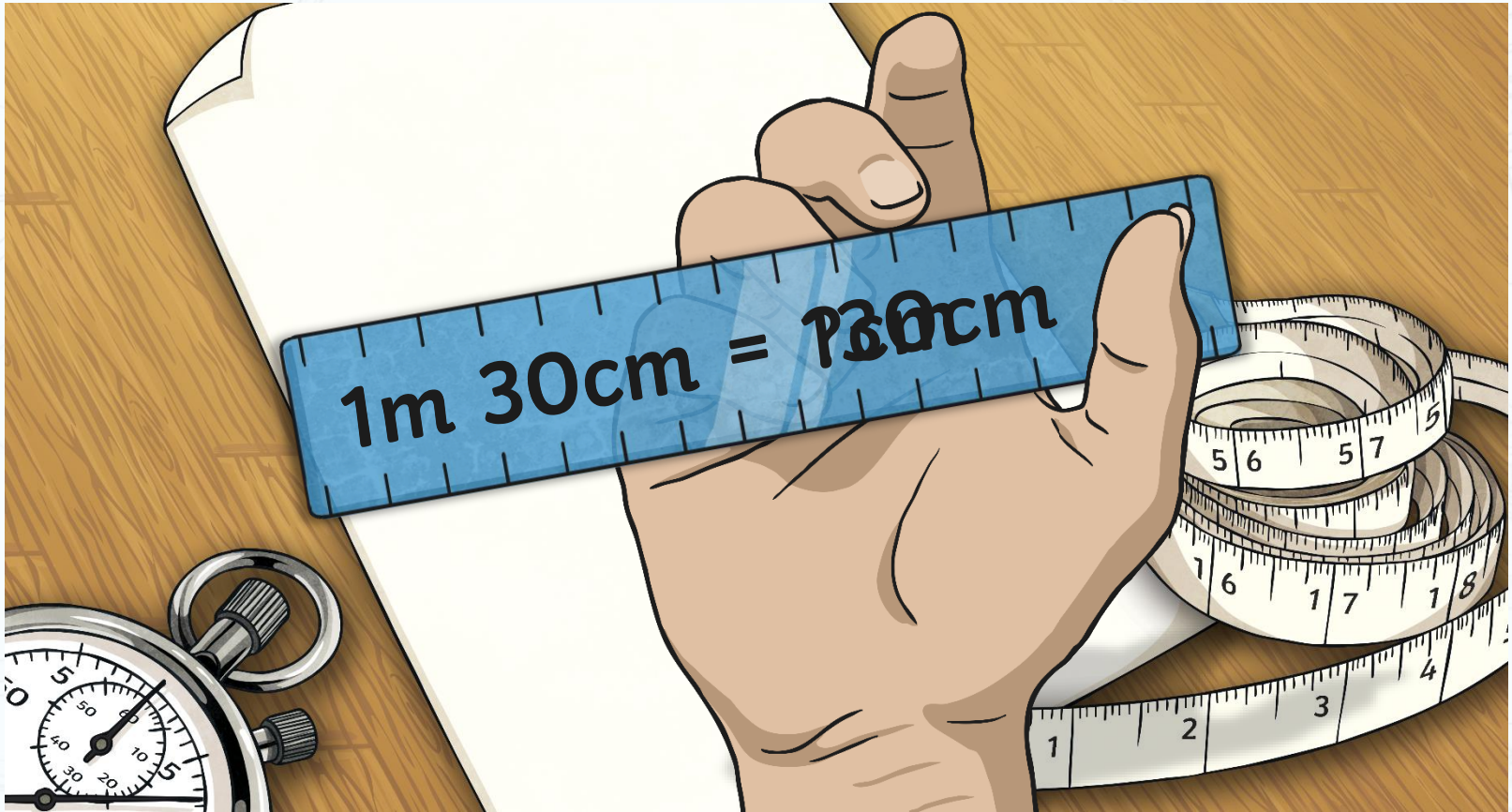
Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:



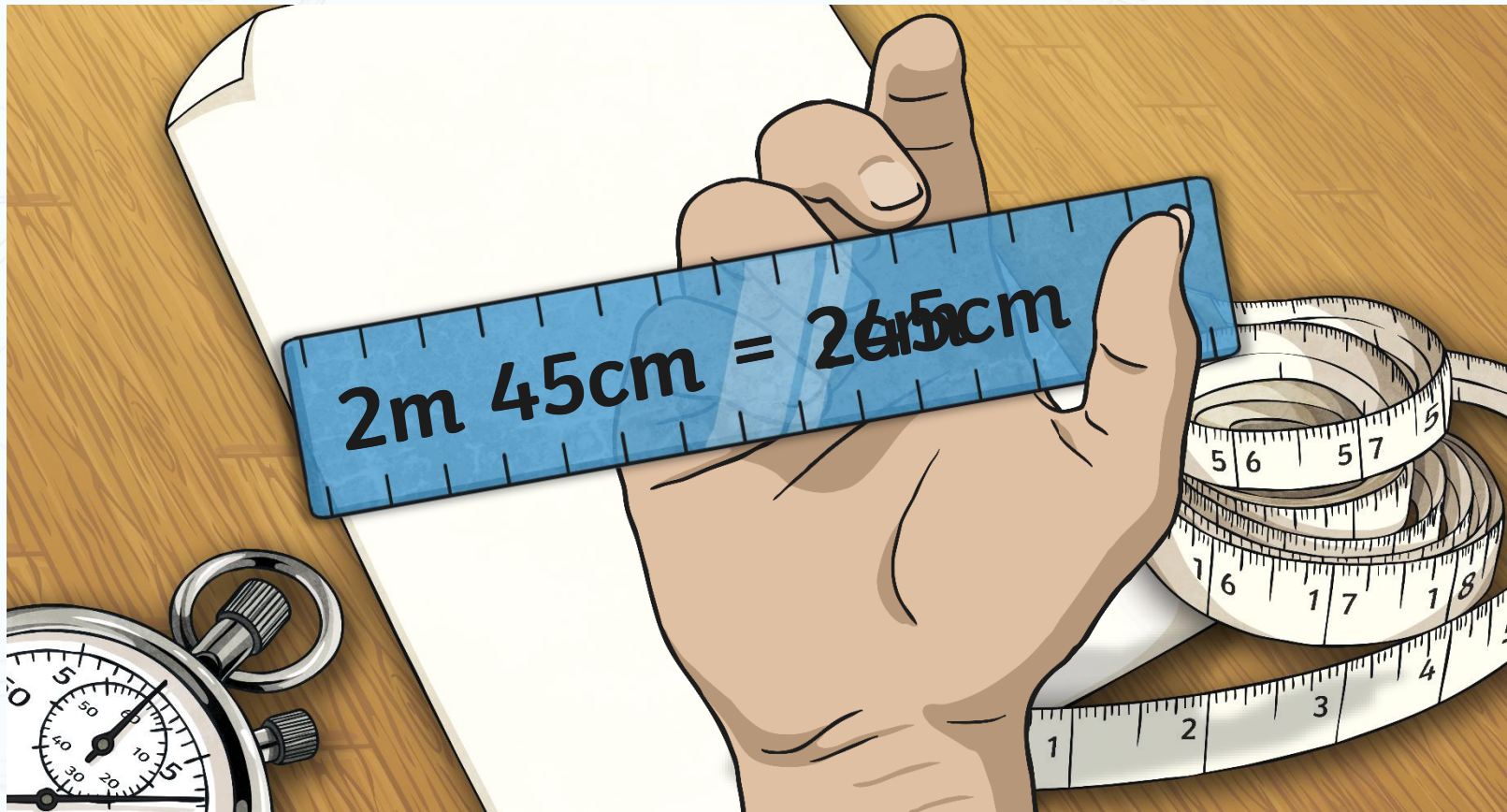
Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:



Convert It

There are 100 centimetres in 1 metre.
Convert these metre measurements to centimetres:





Pencils

Here are some pencil crayons.

After they have been used they measure:

purple	5cm 3mm
blue	8cm 2mm
green	7cm 9mm
yellow	8cm 8mm
red	4cm 8mm

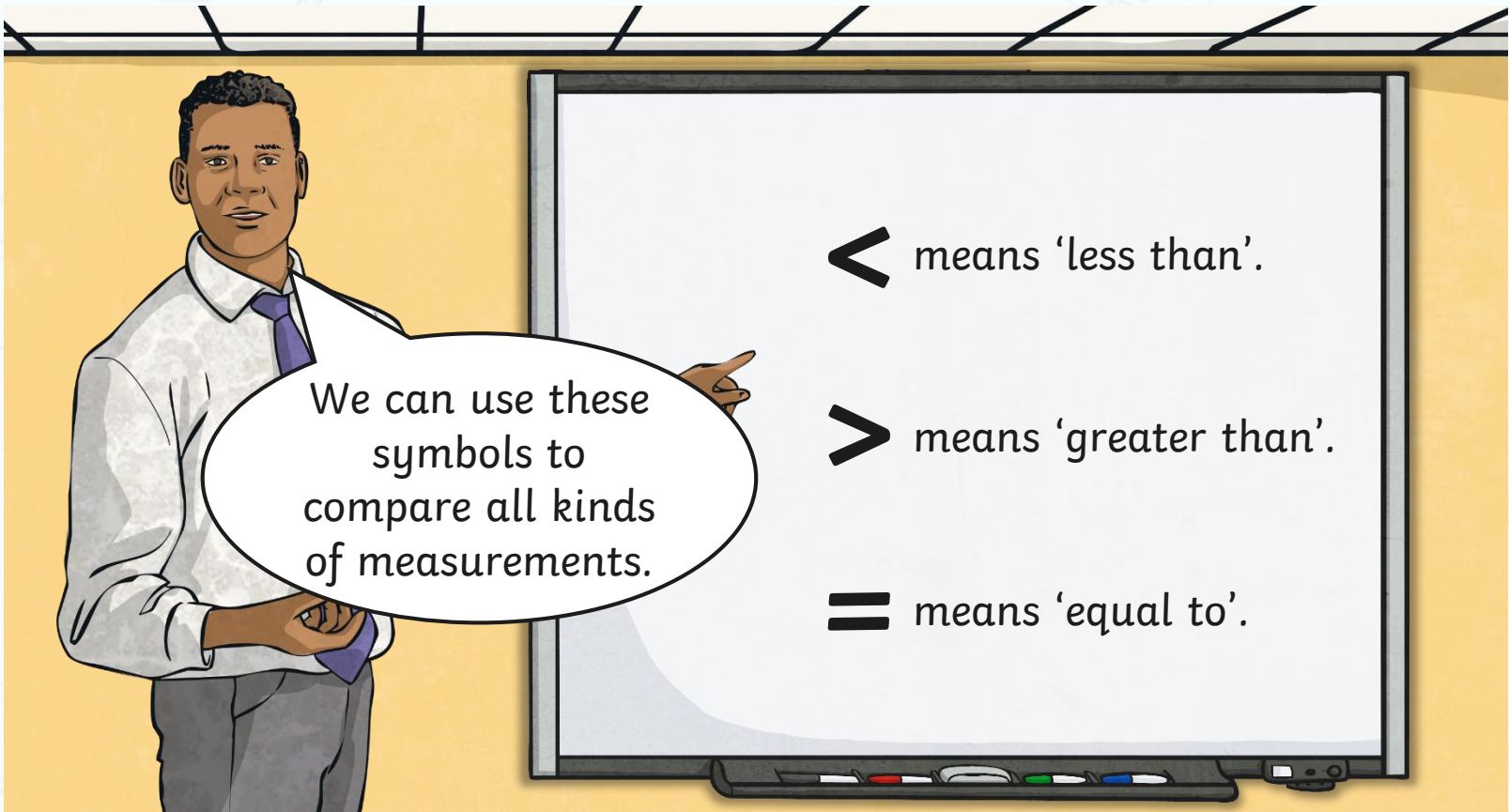
Order the pencil crayons from shortest to longest.

red	purple	green	blue	yellow
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Comparing Measurement



Do you know what these symbols mean?



We can use these symbols to compare all kinds of measurements.

$<$ means 'less than'.

$>$ means 'greater than'.

$=$ means 'equal to'.

Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$2\text{cm} < 5\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$9\text{cm} > 4\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$10\text{cm} < 12\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

As the units are not the same, we need to convert the one of the measurements to find out the answer.

$$3\text{cm} = 30\text{mm}$$

$$3\text{cm} < 50\text{mm}$$

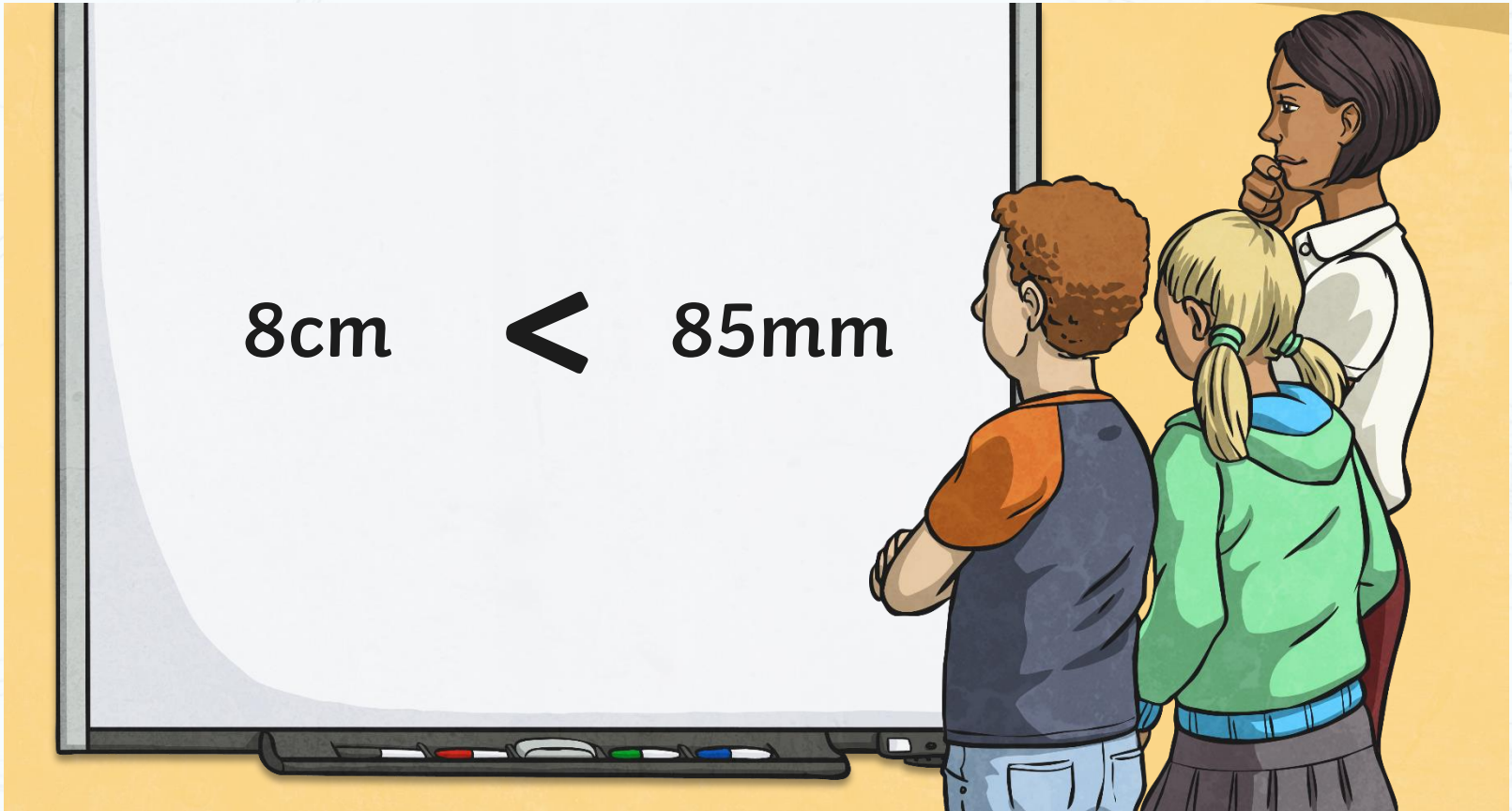


Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$8\text{cm} < 85\text{mm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$4\text{cm} = 40\text{mm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$9\text{cm} > 85\text{mm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$5\text{m} > 3\text{m}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$2\text{m} < 9\text{m}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$3\text{m} < 8\text{m}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

As the units are not the same, we need to convert the one of the measurements to find out the answer.

$$3\text{m } 40\text{cm} = 300\text{cm} + 40\text{cm} = 340\text{cm}$$

$$3\text{m } 40\text{cm} > 25\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$1\text{m } 20\text{cm} = 120\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

$$2\text{m } 40\text{cm} > 180\text{cm}$$



Comparing Measurement



Compare these measurements using $<$, $>$ or $=$

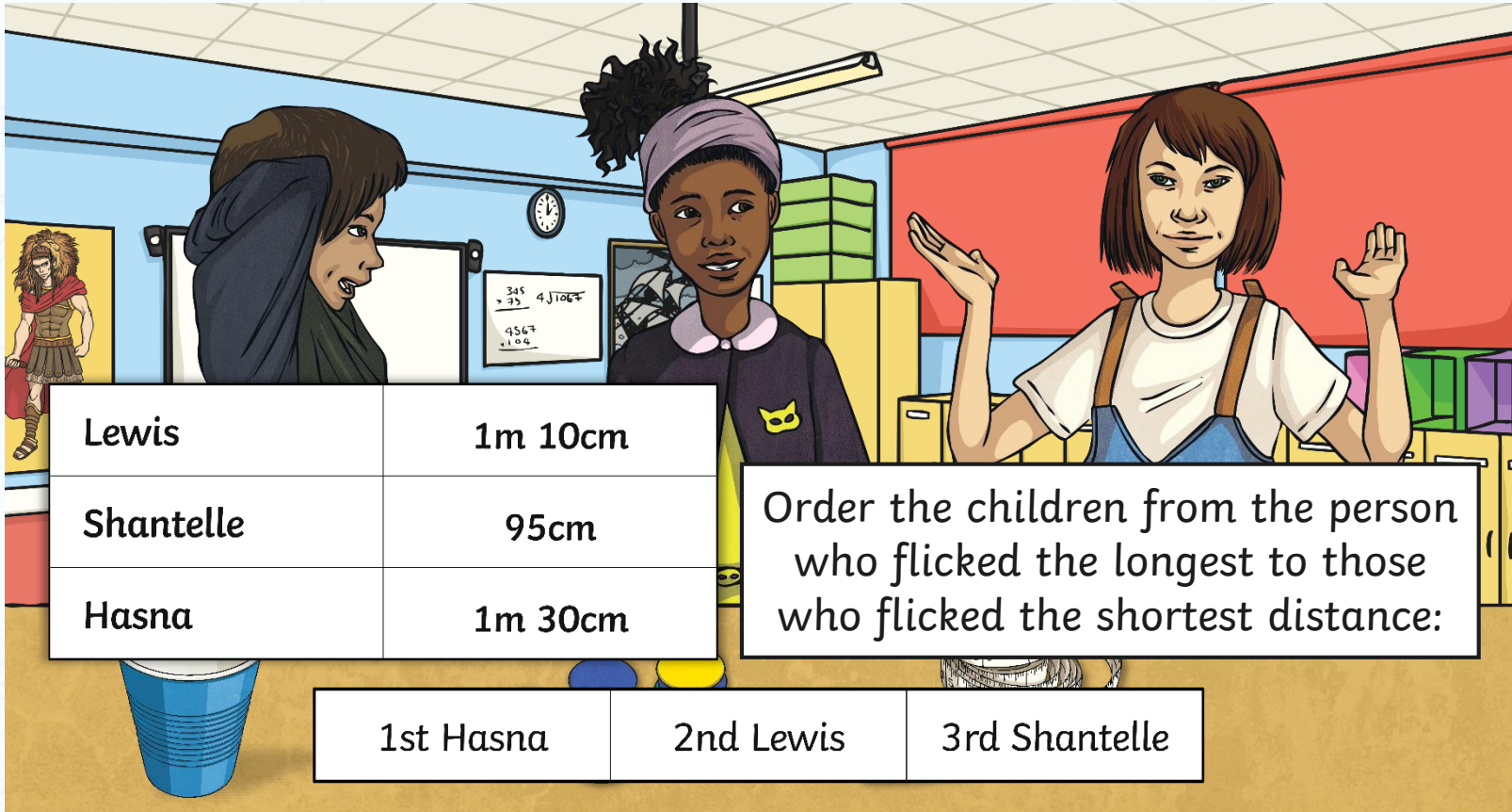
$$3\text{m } 50\text{cm} < 480\text{cm}$$



Tiddlywinks



Lewis, Shantelle and Hasna are playing tiddlywinks.
These are the distances they each flick their first tiddlywink:



Lewis	1m 10cm
Shantelle	95cm
Hasna	1m 30cm

Order the children from the person who flicked the longest to those who flicked the shortest distance:

1st Hasna	2nd Lewis	3rd Shantelle
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Tiddlywinks



They each flick their tiddlywinks 2 more times. Here are the results.

	1st flick	2nd flick	3rd flick
Lewis	1m 10cm	85cm	1m 55cm
Shantelle	95cm	1m 60cm	1m 35cm
Hasna	1m 30cm	90cm	1m 40cm

You can compare Lewis' flicks like this:

1m 10cm

>

85cm

<

1m 55cm

110cm

155cm

Compare Shantelle and Hasna's flicks in the same way.



Tiddlywinks

Compare Shantelle's flicks

	1st flick	2nd flick	3rd flick
Lewis	1m 10cm	85cm	1m 55cm
Shantelle	95cm	1m 60cm	1m 35cm
Hasna	1m 30cm	90cm	1m 40cm

95cm

<

1m 60cm

>

1m 35cm

160cm

135cm



Tiddlywinks

Compare Hasna's flicks

	1st flick	2nd flick	3rd flick
Lewis	1m 10cm	85cm	1m 55cm
Shantelle	95cm	1m 60cm	1m 35cm
Hasna	1m 30cm	90cm	1m 40cm

1m 30cm

>

90cm

<

1m 40cm

130cm

140cm

Comparing Measurements



Use your measuring mastery to complete these activity sheets.

★★★ 3) Here are the average world during the Order the cities.

London
Rome
Mumbai
Adelaide
Bangkok
Singapore

highest

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4) Here are the results from Order the children from

Grace
Stuart
Rakesh
Saima
Tom
Chase
Leon

least

--	--

★★★ **Comparing Measurements**

I can compare measurements in m, cm and mm.

1) Compare these measurements

30mm
35mm
1cm 4mm
3cm 52mm
178cm
639cm
5m 29cm
3m 85cm

2) Order these measurements

a) 18cm 47mm

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b) 94mm 2m

--	--

c) 13m 15cm

--	--

d) 13cm 7mm

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★★★ 3) Craig cuts 6 pieces of string in mm. Order the strings from longest to shortest.

piece A
piece B
piece C
piece D
piece E
piece F

4) Here are a group of friends' heights. Order the friends' heights from tallest to shortest.

Pavdeep
Scarlett
Mohammed
Tina
Joshua
Stacey
Nikita

★★★ **Comparing Measurements**

I can compare measurements in m, cm and mm.

Order the lines from longest to shortest.

Line A	11cm
Line B	95mm
Line C	14cm
Line D	85mm

4) Here are the heights of Leo. Order the family from tallest to shortest.

Leo: 1m 64cm

★★★ **Comparing Measurements**

I can compare measurements in m, cm and mm.

1) Compare these measurements using $<$, $>$ or $=$.

12cm	19cm
9cm	4cm
1cm	10mm
35mm	4cm
8m	4m
6m	12m
3m	350cm
4m	400cm

2) Order these measurements from shortest to longest.

a) 10cm 25mm 3m

--	--	--

b) 45mm 1m 20cm

--	--	--

c) 3cm 5m 50mm

--	--	--

Useful Facts:
1m = 100cm
2cm = 10mm