






Thursday

Comparing Length

Lesson
5

In Focus

name	height
 Hannah	155 cm
 Charles	1 m 50 cm
 Lulu	105 cm
 Elliott	1 m 60 cm
 Holly	98 cm






Who is taller? Charles or Lulu?

How can we tell who is the shortest and who is the tallest?

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 Hannah	155 cm
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Who is taller? Charles or Lulu?

Some of the heights are written in metres and centimetres (e.g. Charles), while others are written in centimetres only (e.g. Lulu). If we want to compare the heights of Charles and Lulu, what can we do to make the comparison easier?

Watch "Video 1"

Let's Learn

It would be easier to convert all of the measurements to the same.

So we could change them all into **cm** or all into **m and cm**.

Charles



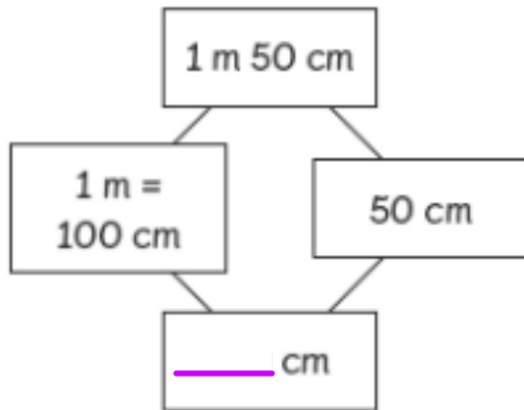
1 m 50 cm

Lulu



105 cm

Method 1



is _____

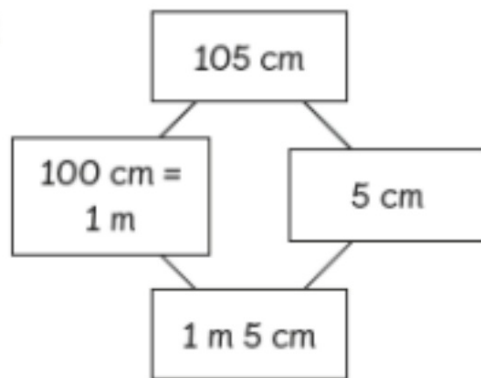




is 105 cm.



is taller.

Method 2






name	height
 Charles	1 m 50 cm
 Lulu	1 m 5 cm



is taller.

Watch "Video 2"

In Focus

name	height
 Hannah	155 cm
 Charles	1 m 50 cm
 Lulu	105 cm
 Elliott	1 m 60 cm
 Holly	98 cm

Who is taller? Charles or Lulu?

Convert all of these measurements using either **method one (to cm)**

or

method two (to m and cm)

Then put the names of the children in order from smallest to largest.

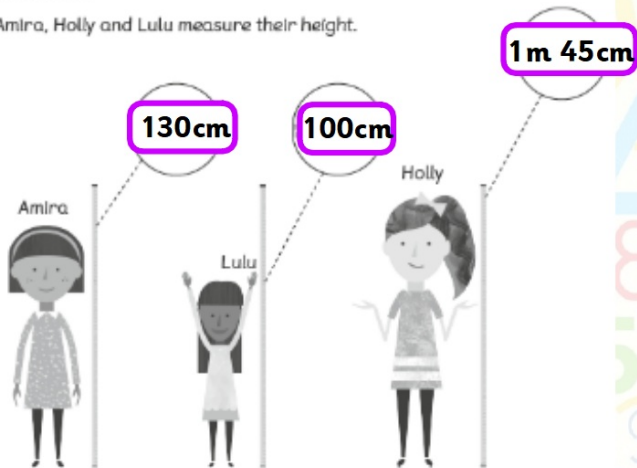
Name: _____ Class: _____ Date: _____

Worksheet 5

Comparing Length

Fill in the blanks.

- 1 Amira, Holly and Lulu measure their height.



(a) is the tallest.

(b) is the shortest.

(c) Arrange the girls from the tallest to the shortest.

, ,
tallest shortest

- 3 Arrange the following from shortest to longest.

(a) 130 cm 2 m 65 cm 67 cm

, ,

- 4 Arrange the following from longest to shortest.

(a) 320 cm 3 m 2 cm 30 m 2 cm

, ,

You can download
these off the Virtual
School!

Going Deeper Challenge:

Work out the following problem, you will need to use your knowledge of mm to solve it!



Ben

1m 55cm

Sam

1500mm

Amy

1m 5cm

Remember:

1000 mm = 1m

You can change them to cm first and then make them 10x bigger to show the measurements in mm

Ben, Sam and Amy all measured their heights.

Can you put them in order from tallest to shortest? You will need to work out each measurement in the same unit first!