

Day 5

Can measure accurately in m/cm/mm

Can convert between mm/cm/m

Can compare and use mixed units






14/1/22

Day 5

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?

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?

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?

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



1 m 50 cm

1 m =
[red box] cm

[red box] cm

[red box] cm



Is [red box] cm.



Is 105 cm.



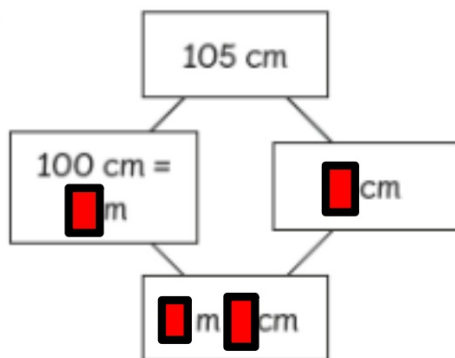
Is taller.



TOP TIP

H T O

m cm

Method 2



name	height
 Charles	1 m 50 cm
 Lulu	[] m [] cm








is taller.

TOP TIP

H T O

m | cm

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.

Guided Practice

1



Ruby

I ran 2 km 45 m.



Amlra

I ran 2450 m.

Who ran a longer distance?



2

Sam ran 5 km 80 m last week.
This week he ran 5800 m.
Next week, he plans to run 580 m.

Which distance is longer?



580 m or 5800 m?



5 km 80 m or 5800 m?

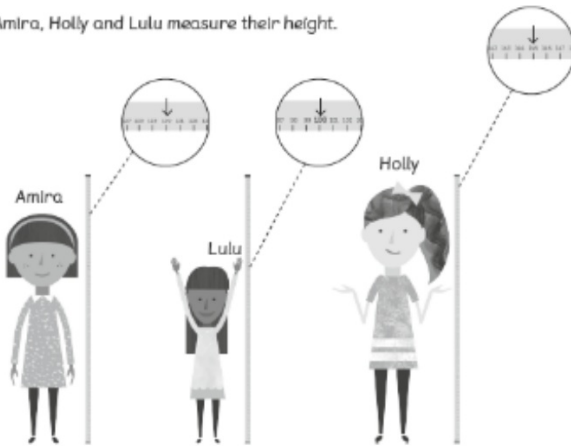
Name: _____ Class: _____ Date: **7/1/21**

Worksheet 5

Comparing Length

Fill in the blanks.

- 1 Amira, Holly and Lulu measure their height.



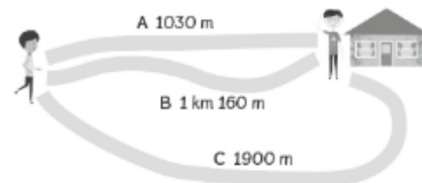
(a) is the tallest.

(b) is the shortest.

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

, ,
tallest shortest

- 2 Ravi wanted to walk the shortest distance to Charles' house.



Ravi should take route .

It measures km m.

- 3 Arrange the following from shortest to longest.

(a) 130 cm 2 m 65 cm 67 cm

, ,

(b) 1 km 900 m 1 km 90 m 1009 m

, ,

- 4 Arrange the following from longest to shortest.

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

, ,

(b) 2 km 800 m 2080 m 2008 m

, ,

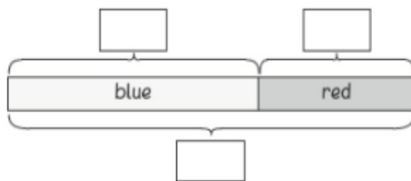
Going Deeper

Worksheet 6

Solving Word Problems

Solve.

- 1 Emma bought a blue cloth with a length of 400 cm to make a dress. She bought another red cloth with a length of 250 cm. What was the total length of the cloth she bought?



$$\boxed{} + \boxed{} = \boxed{}$$

The total length of the cloth she bought was cm.



- 2 Rope A is 15 m long. Rope B is 6 m longer than Rope A. How long is Rope B?

- 3 Lulu walked 2 km 500 m to school. Sam walked 1 km 200 m to school. What was the total distance they walked to school?

show your working

- 4 Road A measured 3090 m. Road A measured 400 m longer than Road B. What was the length of Road B?

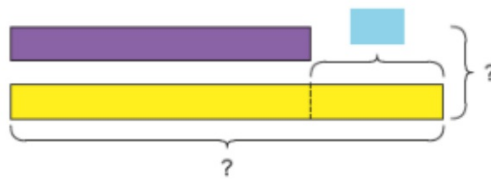
Going Deeper

The total length of ropes A, B and C is 270 cm.
Rope A is 20 cm longer than Rope C but 50 cm shorter than Rope B.

What is the length of Rope B?

Give your answer in metres and centimetres.

Write a word problem using this model.



You may use the following to help you.

length	longer than	shorter than	total
cm	120	50	