

Y2 Length and Height

KS1 Y2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

A worm lies on a ruler from 0 to 9. How long is it?

Step 1 · It starts at 0

Start = 0 cm

Step 2 · Read where it ends

9 cm

Answer: 9 cm

Check: Starting at 0 means the end number is the length ✓

2. Now try one with the steps

A key goes from 2 to 8 on a ruler. How long is it?

Step 1 · It does not start at 0

Step 2 · Find the difference

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. How many centimetres are in 1 metre?

2. A pencil lies on a ruler from 0 to 12. How long is it, in cm?

3. Would you measure a door in cm or m?

4. Would you measure a crayon in cm or m?

5. Which is longer: 30 cm or 13 cm?

6. Write $<$, $>$ or $=$: 45 cm $\bigcirc$ 54 cm

7. A leaf goes from 3 to 10 on a ruler. How long is it, in cm?

8. A ribbon is 20 cm. Another is 35 cm. How much longer is the second ribbon, in cm?

9. Write $<$, $>$ or $=$: 1 m $\bigcirc$ 100 cm

10. Write $<$, $>$ or $=$: 2 m $\bigcirc$ 150 cm

11. Order from shortest to longest: 40 cm, 1 m, 14 cm

12. Jamal builds a tower 92 cm tall. Beth builds one 75 cm tall. How much taller is Jamal's tower, in cm?

13. Three sticks are 10 cm, 10 cm and 25 cm long. What is their total length, in cm?

14. A rope is 1 m long. Erin cuts off 30 cm. How much is left, in cm?

4. Before you hand it in

Starting to measure from the end of the ruler instead of from 0.

Line the object up with the 0 mark, not the edge of the ruler.

Reading the end number when the object does not start at 0.

Take the start number away from the end number: from 2 to 8 is 6 cm.

Saying 90 cm is longer than 1 m because 90 is bigger than 1.

Change to the same unit: $1\text{ m} = 100\text{ cm}$, and $100\text{ cm} > 90\text{ cm}$.

Forgetting to write the unit, e.g. writing just "12".

Always write cm or m after your answer.