

Y3 Length M Cm Mm

KS2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Which unit would you use to measure: a ladybird, a book, a football pitch?

Step 1 · A ladybird is tiny
millimetres (mm)

Step 2 · A book is about the length of a hand or two
centimetres (cm)

Step 3 · A football pitch is huge
metres (m)

Answer: ladybird: mm · book: cm · pitch: m

Check: 1 cm = 10 mm and 1 m = 100 cm.

2. Now try one with the steps

A pencil is 14 cm. A crayon is 9 cm. How much longer is the pencil?

Step 1 · 'How much longer' means find the difference

Step 2 · 14 cm – 9 cm

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. How many millimetres are in 1 centimetre?

3. Which unit would you use to measure the length of a classroom: mm, cm or m?

4. Which is longer: 45 cm or 54 cm?

5. A ribbon is 26 cm. Another is 18 cm. What is their total length?

6. A plant was 32 cm tall. It grew 7 cm. How tall is it now?

7. Write 4 m in centimetres.

8. Write 7 cm in millimetres.

9. Write 5 cm 3 mm in millimetres.

10. Write 2 m 45 cm in centimetres.

11. A skipping rope is 2 m long. Ruby cuts off 60 cm. How long is the rope now in cm?

12. Which is longer: 1 m 5 cm or 150 cm?

13. Order from shortest to longest: 3 m, 250 cm, 2 m 80 cm

14. A worm is 65 mm long. A caterpillar is 4 cm long. How much longer is the worm in mm?

4. Before you hand it in

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

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

Reading 6 cm 4 mm as 64 cm.

Count whole centimetres first (6 cm), then the small millimetre marks (4 mm): 6 cm 4 mm = 64 mm.

Saying 1 m 5 cm = 150 cm.

1 m = 100 cm, plus 5 cm = 105 cm. Use a place-holder 0 for no tens.

Comparing 2 m and 150 cm by saying 150 is bigger.

Change to the same unit first: 2 m = 200 cm, which is longer than 150 cm.