Y4 Measurement

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Convert 4 km to metres.

Step 1 · 1 km = 1,000 m

Big unit to small unit: multiply

Step 2 · 4 × 1,000

= 4,000

Answer: 4 km = 4,000 m

Check: A smaller unit needs more of them, so the number gets bigger ✓

2. Now try one with the steps

Convert 350 cm to metres.

Step 1 · 100 cm = 1 m

Step 2 · 350 cm = 300 cm + 50 cm

Step 3 · 50 cm is half a metre

Answer:

3. Practice

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

1. Convert 3 m to centimetres.

2. Convert 5 kg to grams.

3. Convert 7 cm to millimetres.

4. Convert 2 l to millilitres.

5. Convert 6,000 m to kilometres.

6. Convert 400 cm to metres.

7. Convert 90 mm to centimetres.

8. How many grams are in half a kilogram?

9. Convert 3 m 25 cm to centimetres.

10. Convert 2,500 ml to litres.

11. Convert 450 cm to metres.

12. Which is longer: 1 km or 900 m?

13. A cake needs 1 kg of flour. Tom has 650 g. How many more grams does he need?

14. Sara runs 2 km and then 800 m. How far is that in metres?

4. Before you hand it in

Converting kg to g by dividing: 5 kg = 0.005 g.
Grams are smaller, so you need more of them. Big unit → small unit: multiply. 5 kg = 5,000 g.

Thinking 1 m = 1,000 cm.
Learn them: 1 km = 1,000 m, 1 m = 100 cm, 1 cm = 10 mm, 1 kg = 1,000 g, 1 l = 1,000 ml.

Writing 3 m 5 cm as 35 cm or 3.5 m.

3 m 5 cm = 300 cm + 5 cm = 305 cm.

Subtracting 750 ml from 2 l as 2 – 750.

Convert first so both are in the same unit: 2,000 ml − 750 ml = 1,250 ml.