

Y6 Converting Units

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Convert 3.45 km to metres.

Step 1 · 1 km = 1,000 m, so multiply by 1,000

$$3.45 \times 1,000$$

Step 2 · Digits move 3 places left

3,450

Answer: 3,450 m

Check: Metres are smaller, so there should be more of them ✓

2. Now try one with the steps

Convert 2,075 g to kilograms.

Step 1 · 1,000 g = 1 kg, so divide by 1,000

Step 2 · Digits move 3 places right

Answer:

3. Practice

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

1. Convert 4 km to metres.

2. Convert 350 cm to metres.

3. Convert 2.5 kg to grams.

4. Convert 750 ml to litres.

5. Convert 45 mm to centimetres.

6. Convert 1.205 km to metres.

7. Convert 3,040 g to kilograms.

8. Convert 0.008 kg to grams.

9. Convert 6.5 cm to millimetres.

10. How many hours is 90 minutes? Give your answer decimal.

11. Order from shortest to longest: 1.2 km, 1,150 m, 1.25 km

12. A jug holds 2 litres of water. Three glasses of 350 ml are poured out. How many millilitres are left?

13. A 5 m ribbon is cut into 8 equal pieces. How long is each piece in centimetres?

14. A running track is 400 m long. How many kilometres is 12 laps?

15. A recipe needs 0.45 kg of flour. Jake has 300 g. How many more grams does he need?

4. Before you hand it in

2,075 g = 20.75 kg.

There are 1,000 g in a kilogram, so divide by 1,000: 2.075 kg.

Adding 1.2 kg + 750 g = 751.2.

Convert first so both are in kg (0.75 kg) or both in g (1,200 g).

1.75 hours = 1 hour 75 minutes.

There are 60 minutes in an hour, so 0.75 hours = 45 minutes. 1.75 hours = 1 hour 45 minutes.