JRA Tutors
Private tuition and small online Study Pods

Metric Conversions

Grade 1 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (30 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 50 marks.

Warm-up

1 Convert 29 tonnes to kg. **[1 mark]**

Answer _____

2 Convert 8.6 tonnes to kg. **[1 mark]**

Answer _____

3 Convert 46 kg to g. **[1 mark]**

Answer _____

4 Convert 2.7 km to m. **[1 mark]**

Answer _____

5 Convert 8.3 m to cm. **[1 mark]**

Answer _____

Core

6 Convert 690 mm to cm. **[2 marks]**

Answer _____

7 Convert 3600 cm to m. **[2 marks]**

Answer _____

8 Convert 35000 ml to litres. **[2 marks]**

Answer _____

9 Convert 44000 ml to litres. **[2 marks]**

Answer _____

10 Convert 4500 cm to m. **[2 marks]**

Answer _____

Stretch

11 A bottle holds 250 ml. How many litres do 12 bottles hold? **[3 marks]**

Answer _____

12 A ribbon is 2 m 75 cm long. Write its length in centimetres. **[3 marks]**

Answer _____

13 A recipe uses 600 g of flour. How many kilograms of flour are needed for 9 batches? **[3 marks]**

Answer _____

14 A race is 7 km long. Runners have completed 2500 m. How many metres remain? **[3 marks]**

Answer _____

15 A lorry carries 5 tonnes of sand. It unloads 450 kg. How many kilograms of sand remain? **[3 marks]**

Answer _____

Challenge

16 Convert 9 m² to cm². **[4 marks]**

Answer _____

17 A tank holds 1.6 litres. 1 ml = 1 cm³. Work out the volume of the tank in cm³. **[4 marks]**

Answer _____

18 Convert 36 km/h to m/s. **[4 marks]**

Answer _____

19 Convert 50000 cm² to m². **[4 marks]**

Answer _____

20 A cube has side 150 cm. Work out its volume in m³. **[4 marks]**

Answer _____