JRA Tutors
Private tuition and small online Study Pods

Conversions and Units

Grade 3 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 (33 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: 55 marks.

Warm-up

1 Convert 5 hours to minutes. **[1 mark]**

Answer _____

2 Convert 12 km to metres. **[1 mark]**

Answer _____

3 Convert 900 cm to metres. **[1 mark]**

Answer _____

4 Convert 2 kg to grams. **[1 mark]**

Answer _____

5 Convert 3500 ml to litres. **[1 mark]**

Answer _____

Core

6 A car travels at 80 km/h. How far does it travel in 3 hours? **[2 marks]**

Answer _____

7 A tap fills 12 litres per minute. How many litres in 6 minutes? **[2 marks]**

Answer _____

8 Convert 144 km/h to m/s. **[3 marks]**

Answer _____

9 A worker earns £13 per hour. How much for 6 hours? **[2 marks]**

Answer _____

10 Petrol costs £1.490 per litre. Work out the cost of 45 litres. **[2 marks]**

Answer _____

Stretch

11 Convert 5 m² to cm². **[3 marks]**

Answer _____

12 Convert 8000 cm³ to litres. **[3 marks]**

Answer _____

13 Convert 64.8 km/h to m/s. **[3 marks]**

Answer _____

14 The density of a metal is 5 g/cm³. Write this in kg/m³. **[4 marks]**

Answer _____

15 A water tank leaks 6 litres per hour. How many ml leak in 7 minutes? **[4 marks]**

Answer _____

Challenge

16 A runner's speed is 18 km/h. How far does she run in 5 minutes, in metres? **[4 marks]**

Answer _____

17 Sand has density 1600 kg/m³. Work out the mass of 6 m³ of sand in tonnes. **[4 marks]**

Answer _____

18 A pipe delivers 18 litres per minute. How many m³ does it deliver in 1 hour? **[5 marks]**

Answer _____

19 A car uses 6 litres per 100 km. How many litres does it use for 100 km? **[4 marks]**

Answer _____

20 A swimming pool measures 25 m by 10 m by 2 m. How many litres of water does it hold when full? **[5 marks]**

Answer _____