Measurement: Units & Conversion: Hard Practice Paper 5

Q1. A machine part weighs 0.45 tonnes. How many kilograms is this?

A. 4.5 kg B. 45 kg C. 450 kg D. 4,500 kg E. 45,000 kg

Q2. A car park charges from 13:47 until 18:32. How long is this?

A. 4 h 15 min

B. 4 h 45 min

C. 5 h 15 min

D. 5 h 45 min

E. 5 h 85 min

Q3. A train travels 315 km in 3.5 hours. What is its average speed?

A. 70 km/h B. 85 km/h C. 90 km/h D. 95 km/h E. 105 km/h

Q4. How many 250 ml cartons can be filled from 4.5 litres of milk?

A. 12 B. 15 C. 16 D. 18 E. 20

Q5. A rectangular table top measures 3 m by 1.2 m. What is its area in square centimetres?

A. 360 cm^2

B. 3,600 cm^2

C. 36,000 cm^2

D. 360,000 cm^2

E. 3,600,000 cm^2

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Q6. Laying a floor uses 5 kg of cement for every square metre. How much cement is needed for 8.4 m²?

A. 13.4 kg B. 40 kg C. 42 kg D. 44 kg E. 48 kg

Q7. A lap of a park is 800 m. How many laps make a distance of 12 km?

A. 12 B. 15 C. 16 D. 18 E. 20

Q8. Coffee costs £4.80 per kilogram. What is the cost of 0.75 kg?

A. £3.20 B. £3.60 C. £3.75 D. £4.05 E. £6.40

Q9. A water butt holds 250 litres and fills at 12.5 litres each hour. How long does it take to fill?

A. 12 hours B. 15 hours C. 18 hours D. 20 hours E. 25 hours

Q10. There are 10,000 cm² in 1 m². How many square metres are there in 60,000 cm²?

A. 0.6 m² B. 6 m² C. 60 m² D. 600 m² E. 6,000 m²

Q11. A runner completes 21 km in 1 hour 45 minutes. What is the average speed?

A. 10 km/h B. 11 km/h C. 12 km/h D. 14 km/h E. 21 km/h

Q12. A coach leaves at 05:35 and the journey takes 6 hours 55 minutes. At what time does it arrive?

A. 11:30 B. 12:20 C. 12:30 D. 12:40 E. 12:90

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Q13. One mile is about 1.6 km. A marathon is about 42 km. Roughly how many miles is this?

A. 21 miles B. 24 miles C. 26 miles D. 34 miles E. 67 miles

Q14. A delivery contains 24 packs of butter, each weighing 375 g. What is the total mass in kilograms?

A. 7.5 kg B. 8.4 kg C. 9 kg D. 9.6 kg E. 12 kg

Q15. A shelf is 2.4 m long. How many books, each 3 cm thick, fit on it?

A. 60 B. 72 C. 80 D. 90 E. 120

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