Measurement: Units & Conversion: Hard Practice Paper 6

Q1. A lorry carries 4 crates, each weighing 850 kg. What is the total load in tonnes?

A. 0.34 tonnes

B. 3.4 tonnes

C. 8.5 tonnes

D. 34 tonnes

E. 3,400 tonnes

Q2. A tap fills a 240 litre tank in 16 minutes. How many litres does it deliver each second?

A. 0.15 litres

B. 0.25 litres

C. 0.5 litres

D. 1.5 litres

E. 15 litres

Q3. A cyclist rides 42 km in 1 hour 45 minutes. What is the average speed?

A. 21 km/h *B.* 24 km/h *C.* 26 km/h *D.* 28 km/h *E.* 42 km/h

Q4. A 2 litre bottle of medicine is poured into 120 ml doses. How many full doses are there, and how much is left over?

A. 16 doses, 20 ml left

B. 16 doses, 80 ml left

C. 17 doses, 40 ml left

D. 18 doses, 40 ml left

E. 20 doses, none left

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Q5. A room measures 4.5 m by 3.2 m. Carpet costs £18 for each square metre. What does it cost to carpet the room?

A. £138.60 *B.* £216.00 *C.* £259.20 *D.* £276.00 *E.* £288.00

Q6. A recipe for 12 buns uses 450 g of flour. How much flour is needed for 30 buns?

A. 900 g *B.* 1 kg *C.* 1.05 kg *D.* 1.125 kg *E.* 1.35 kg

Q7. A straight path is 45 m long and has a post every 2.5 m, including one at each end. How many posts are there?

A. 17 *B.* 18 *C.* 19 *D.* 20 *E.* 23

Q8. 3.5 kg of cheese costs £28. What is the price for each kilogram?

A. £6.00 *B.* £7.00 *C.* £8.00 *D.* £9.00 *E.* £9.80

Q9. A swimming pool holds 36 m^3 of water. How many litres is that? (1 m^3 = 1,000 litres)

A. 360 litres

B. 3,600 litres

C. 36,000 litres

D. 360,000 litres

E. 3,600,000 litres

Q10. A field covers 0.8 hectares. How many square metres is that? (1 hectare = 10,000 m^2)

A. 80 m^2

B. 800 m^2

C. 8,000 m^2

D. 80,000 m^2

E. 800,000 m^2

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Q11. A train travels at an average speed of 96 km/h. How far does it go in 2 hours 30 minutes?

A. 180 km *B.* 192 km *C.* 216 km *D.* 230 km *E.* 240 km

Q12. A coach journey starts at 23:38 and takes 6 hours 47 minutes. At what time does it end?

A. 05:25 *B.* 06:15 *C.* 06:25 *D.* 06:35 *E.* 07:25

Q13. One kilogram is about 2.2 pounds. A parcel weighs 11 pounds. Roughly how many kilograms is that?

A. 4 kg *B.* 5 kg *C.* 6 kg *D.* 8.8 kg *E.* 24.2 kg

Q14. A roll of tape 15.4 m long is cut into pieces 25 cm long. How many whole pieces are there, and how much tape is left?

A. 60 pieces, 40 cm left

B. 61 pieces, 15 cm left

C. 61 pieces, 40 cm left

D. 62 pieces, 5 cm left

E. 64 pieces, none left

Q15. Tap A fills 5 litres in 2 minutes. Tap B fills 12 litres in 5 minutes. Which tap is faster?

A. Tap A, by 0.1 litres a minute

B. Tap B, by 0.1 litres a minute

C. Tap A, by 0.5 litres a minute

D. Tap B, by 0.5 litres a minute

E. They fill at the same rate

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