Measurement: Units & Conversion: Medium Practice Paper 7

Q1. The table shows three packs of the same rice. Which pack is the best value for money?

Pack	Mass	Price
A	250 g	£1.20
B	500 g	£2.20
C	1 kg	£4.60

A. Pack A

B. Pack B

C. Pack C

D. Packs A and C are equal

E. All three are the same value

Q2. Use the same table of rice packs. What is the total mass, in kilograms, if one of each pack is bought?

Pack	Mass	Price
A	250 g	£1.20
B	500 g	£2.20
C	1 kg	£4.60

A. 1.25 kg *B.* 1.75 kg *C.* 1.85 kg *D.* 2.5 kg *E.* 17.5 kg

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Q3. A tap fills 45 litres in 6 minutes. How many litres does it deliver each minute?

A. 7.5 litres

B. 8 litres

C. 9 litres

D. 10 litres

E. 15 litres

Q4. A car uses 8 litres of fuel for every 100 km. How much fuel does it use on a journey of 350 km?

A. 24 litres *B.* 26 litres *C.* 28 litres *D.* 30 litres *E.* 35 litres

Q5. How many full 350 ml cups can be poured from 3 litres of juice?

A. 7 *B.* 8 *C.* 9 *D.* 10 *E.* 11

Q6. A recipe for 5 people uses 400 g of rice. How much rice is needed for 8 people?

A. 500 g *B.* 560 g *C.* 600 g *D.* 640 g *E.* 720 g

Q7. A box of 24 identical pens has a mass of 300 g. What is the mass of one pen?

A. 8 g *B.* 10.5 g *C.* 12.5 g *D.* 15 g *E.* 24 g

Q8. What is 2.05 kg + 950 g, written in kilograms?

A. 2.55 kg *B.* 2.95 kg *C.* 3 kg *D.* 3.05 kg *E.* 11.55 kg

Q9. A train travels 189 km in 2 hours 15 minutes. What is its average speed?

A. 76 km/h *B.* 80 km/h *C.* 84 km/h *D.* 90 km/h *E.* 94.5 km/h

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Q10. A shower uses 12 litres of water each minute. How long does it take to use 90 litres?

A. 6 minutes

B. 7 minutes

C. 7.5 minutes

D. 8 minutes

E. 9 minutes

Q11. Which is the better value: 3 litres of paint for £4.50, or 5 litres for £7.00?

A. 3 litres for £4.50, by 10p a litre

B. 5 litres for £7.00, by 10p a litre

C. 3 litres for £4.50, by 20p a litre

D. 5 litres for £7.00, by 20p a litre

E. They are the same value

Q12. A ribbon 5 m long is cut into 8 equal pieces. How long is each piece, in centimetres?

A. 40 cm *B.* 50 cm *C.* 62.5 cm *D.* 65 cm *E.* 80 cm

Q13. A bag holding 6 identical apples has a mass of 900 g. What would 10 of these apples weigh?

A. 1.2 kg *B.* 1.5 kg *C.* 1.6 kg *D.* 1.8 kg *E.* 2 kg

Q14. One pint is about 570 ml. Roughly how many millilitres are there in 4 pints?

A. 570 ml *B.* 1,140 ml *C.* 1,710 ml *D.* 2,000 ml *E.* 2,280 ml

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Q15. A dripping tap wastes 8 ml of water every minute. How much water is wasted in 2 hours, in litres?

A. 0.16 litres

B. 0.48 litres

C. 0.96 litres

D. 1.6 litres

E. 9.6 litres

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