Measurement: Units & Conversion: Hard Practice Paper 1 Answers

Q#	Answer	Explanation
1	C	One tonne is 1,000 kg, so 2.5 tonnes is 2.5 × 1,000 = 2,500 kg.
2	B	From 09:35 to 14:35 would be 5 hours, but the journey ends 15 minutes earlier, so it takes 4 h 45 min.
3	D	The speed is 240 ÷ 3 = 80 km/h, so in 5 hours it travels 5 × 80 = 400 km.
4	C	1.5 litres is 1,500 ml, and 1,500 ÷ 125 = 12 cups exactly.
5	A	75 cm is 0.75 m, so the area is 2.4 × 0.75 = 1.8 m^2.
6	C	One person needs 300 ÷ 4 = 75 g, so 10 people need 10 × 75 = 750 g.
7	C	3 km is 3,000 m, and 3,000 ÷ 250 = 12 laps.
8	C	Two kilograms cost £3.20 and half a kilogram costs 80p, so the total is £4.00.
9	B	Divide the amount by the time: 90 ÷ 12 = 7.5 litres each minute.
10	C	Multiply by 10,000: 4.5 × 10,000 = 45,000 cm^2.
11	C	Divide distance by time: 5,000 ÷ 25 = 200 metres every minute.
12	C	Adding 3 hours gives 01:45 the next day, and 30 more minutes gives 02:15.
13	C	Divide by 1.6: 40 ÷ 1.6 = 25 miles.
14	C	The tins weigh 24 × 400 = 9,600 g. Adding the box gives 9,600 + 500 = 10,100 g, which is 10.1 kg.
15	B	3 m is 300 cm, and 300 ÷ 15 = 20 tiles.

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