Measurement: Units & Conversion: Hard Practice Paper 3 Answers

Q#	Answer	Explanation
1	C	One tonne is 1,000 kg, so 3.2 tonnes is 3.2 × 1,000 = 3,200 kg.
2	B	From 11:38 to 15:38 is 4 hours, and 27 more minutes takes you to 16:05.
3	C	The speed is 150 ÷ 2.5 = 60 km/h, so 240 km takes 240 ÷ 60 = 4 hours.
4	C	5 litres is 5,000 ml. Sixteen bottles use 16 × 300 = 4,800 ml, leaving 200 ml, which is not enough for another bottle.
5	B	The side of a square is the number that multiplies by itself to give the area, and 1.5 × 1.5 = 2.25 m^2.
6	D	One biscuit needs 200 ÷ 8 = 25 g, so 20 biscuits need 20 × 25 = 500 g.
7	D	7.5 km is 7,500 m, and 7,500 ÷ 250 = 30 laps.
8	C	Three kilograms cost £7.20 and half a kilogram costs £1.20, so the total is £8.40.
9	D	Divide the amount by the rate: 400 ÷ 25 = 16 minutes.
10	C	Half of 10,000 is 5,000, so 0.5 m^2 is 5,000 cm^2.
11	C	1 hour 30 minutes is 1.5 hours, and 9 ÷ 1.5 = 6 km/h.
12	D	Adding 5 hours gives 02:55 the next day, and 20 more minutes gives 03:15.
13	D	Multiply by 6.4: 5 × 6.4 = 32 kg.
14	B	The total is 40 × 330 = 13,200 ml, and 13,200 ÷ 1,000 = 13.2 litres.
15	D	30 m is 3,000 cm, and 3,000 ÷ 60 = 50 slabs.

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