Problem Solving & Word Problems: Medium Practice Paper 2 Answers

Q#	Answer	Explanation
1	C	The adults cost 2 × £9.50 = £19 and the children cost 3 × £6 = £18, so the total is £19 + £18 = £37.
2	C	The four numbers total 4 × 12 = 48. The three given numbers total 35, so the fourth is 48 − 35 = 13.
3	B	After the first hour there are 3 more hours costing 3 × 80p = £2.40, so the total is £1.20 + £2.40 = £3.60.
4	B	There are 5 × 24 = 120 pencils altogether, and 120 ÷ 8 = 15 pencils for each class.
5	D	Working backwards, add the 9 to get 31 + 9 = 40, then halve it to get 40 ÷ 2 = 20.
6	B	One orange costs £1.20 ÷ 3 = 40p, so 10 oranges cost 10 × 40p = £4.00.
7	D	Multiply the cost by the number of pupils: 32 × £8.50 = £272.
8	C	45 minutes and 1 hour 20 minutes make 1 hour 65 minutes, which is 2 hours 5 minutes.
9	D	10% of 250 is 25, so 40% is 4 × 25 = 100.
10	C	12 m is 1200 cm, so the number of pieces is 1200 ÷ 80 = 15.
11	B	If all 20 animals had 2 legs there would be 40 legs. There are 16 extra legs, and each cow adds 2 extra, so there are 16 ÷ 2 = 8 cows.
12	B	Divide the amount by the rate: 200 ÷ 8 = 25 minutes.
13	C	One kilogram costs £1.60 and half a kilogram costs 80p, so 1.5 kg costs £1.60 + 80p = £2.40.
14	C	The numbers go up by 4 each time. From the first number, nine more steps of 4 give 3 + 9 × 4 = 39.

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15	B	Ben has 1 share and Emma has 3 shares, making 4 shares altogether. One share is £48 ÷ 4 = £12, which is Ben's amount.

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