

Problem Solving & Word Problems: Medium Practice Paper 1 Answers

Q#	Answer	Explanation
1	C	The notebooks cost $4 \times £1.75 = £7.00$, so the change is $£10.00 - £7.00 = £3.00$.
2	C	The bill split three ways is $£42 \div 3 = £14$, and adding the £2 tip gives £16 each.
3	D	A quarter of 28 is 7, so three quarters is $3 \times 7 = 21$ children.
4	C	The perimeter is $8 + 5 + 8 + 5 = 26$ m, so the cost is $26 \times £3 = £78$.
5	B	The total is $7 + 9 + 8 = 24$, and dividing by the 3 tests gives $24 \div 3 = 8$.
6	B	Four coaches hold 180 children, which is not enough, so a fifth coach is needed for the remaining 10 children.
7	B	Working backwards, take away the 7 to get $43 - 7 = 36$, then divide by 4 to get $36 \div 4 = 9$.
8	C	Adding 2 hours to 19:45 gives 21:45, and adding 20 more minutes gives 22:05.
9	D	Each biscuit needs $200 \div 8 = 25$ g of flour, so 20 biscuits need $20 \times 25 = 500$ g.
10	B	He saves $8 \times £4.50 = £36$, so he still needs $£50 - £36 = £14$.
11	B	25% is the same as a quarter, so the number is $60 \div 4 = 15$ pupils.
12	D	One fifth is $45 \div 5 = 9$ litres, so two fifths is 18 litres used, leaving $45 - 18 = 27$ litres.
13	D	If the difference is 6, taking it off the total leaves 24 to split equally, so the smaller is 12 and the larger is $12 + 6 = 18$.
14	C	Divide the pages by the pages read each day: $240 \div 30 = 8$ days.
15	B	The items cost $3 \times £2.35 = £7.05$, so the change is $£10.00 - £7.05 = £2.95$.