

Problem Solving & Word Problems: Medium Practice Paper 4 Answers

Q#	Answer	Explanation
1	B	The items cost $\pounds 3.85 + \pounds 2.40 + \pounds 1.30 = \pounds 7.55$, so the change is $\pounds 10.00 - \pounds 7.55 = \pounds 2.45$.
2	C	10% of 480 is 48, so 40% is 192 and 5% is 24. Adding these gives $192 + 24 = 216$ boys.
3	C	One book costs $\pounds 37.50 \div 5 = \pounds 7.50$, so 8 books cost $8 \times \pounds 7.50 = \pounds 60.00$.
4	C	Six minibuses carry 84 people, which is not enough, so a seventh is needed for the remaining 3 people.
5	B	The six numbers total $6 \times 15 = 90$ and the five remaining total $5 \times 16 = 80$, so the number removed was $90 - 80 = 10$.
6	C	There are 4 gaps of 25 minutes after the first train, which is 100 minutes, or 1 hour 40 minutes. From 08:00 that gives 09:40.
7	C	Working backwards, divide by 3 to get $27 \div 3 = 9$, then add the 6 to get $9 + 6 = 15$.
8	D	The perimeter is $4 \times 15 = 60$ m, so the cost is $60 \times \pounds 4 = \pounds 240$.
9	D	One fifth of 35 is 7, so the girls number $2 \times 7 = 14$ and the boys number $35 - 14 = 21$.
10	C	Divide the cost by the weekly saving: $\pounds 45 \div \pounds 2.50 = 18$ weeks.
11	C	Divide the pages by the rate: $630 \div 45 = 14$ minutes.
12	C	If all 30 vehicles had 2 wheels there would be 60 wheels. There are 40 extra wheels and each car adds 2 extra, so there are $40 \div 2 = 20$ cars.
13	C	2 litres is 2000 ml, so the number of glasses is $2000 \div 250 = 8$.
14	C	Counting back 2 hours from 17:20 gives 15:20, and counting back 45 more minutes gives 14:35.

15	c	10% of £60 is £6, so the new price is £60 + £6 = £66.
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