Fractions, Decimals & Percentages: Medium Practice Paper 1 Answers

Q#	Answer	Explanation
1	D	The lowest common denominator of 3 and 4 is 12. 2/3 = 8/12 and 1/4 = 3/12, so 8/12 + 3/12 = 11/12.
2	C	10% of 80 is 8, so 30% is 24. 5% is half of 8, which is 4. 24 + 4 = 28.
3	C	0.375 is 375/1000. Dividing top and bottom by 125 gives 3/8.
4	C	First find 1/5 of 25: 25 ÷ 5 = 5. Then multiply by 3: 5 × 3 = 15.
5	D	20% of 60 is 12. Increasing means adding it on: 60 + 12 = 72.
6	A	As decimals: 5/8 = 0.625, 63% = 0.63, 0.65, 2/3 ≈ 0.667 and 0.7. The smallest is 0.625, which is 5/8.
7	B	Multiply the numerators and the denominators: 3 × 2 = 6 and 4 × 5 = 20, giving 6/20, which simplifies to 3/10.
8	D	42 × 3 = 126. Since 4.2 has one decimal place, the answer has one decimal place: 12.6.
9	C	20% of £45 is £9. The sale price is £45 − £9 = £36.
10	C	5 ÷ 8 = 0.625. Multiplying by 100 gives 62.5%.
11	C	1/8 = 0.125, so 7/8 = 7 × 0.125 = 0.875.
12	C	Add the whole numbers: 2 + 1 = 3. Then add the fractions: 1/4 + 1/2 = 1/4 + 2/4 = 3/4. The total is 3 3/4.
13	C	10% of 240 is 24, so 40% is 96. 5% is half of 24, which is 12. 96 + 12 = 108 boys.
14	D	10% of 250 is 25 and 1% is 2.5, so 2% is 5. 25 + 5 = 30.
15	B	8 tenths shared into 4 equal parts gives 2 tenths, which is 0.2.

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