Fractions, Decimals & Percentages: Medium Practice Paper 4 Answers

Q#	Answer	Explanation
1	B	The lowest common denominator of 10 and 4 is 20. 7/10 = 14/20 and 1/4 = 5/20, so 14/20 − 5/20 = 9/20.
2	C	1% of 200 is 2, so 65% is 65 × 2 = 130.
3	C	To change a decimal into a percentage, multiply by 100. 1.05 × 100 = 105, so 1.05 = 105%.
4	D	First find 1/4 of 128: 128 ÷ 4 = 32. Then multiply by 3: 32 × 3 = 96.
5	C	1% of £250 is £2.50, so 8% is £20. The new price is £250 + £20 = £270.
6	B	Dividing by 4 is the same as multiplying by 1/4: 2/3 × 1/4 = 2/12, which simplifies to 1/6.
7	C	As decimals: 8/9 ≈ 0.889, 0.94, 97% = 0.97, 1.05 and 11/10 = 1.1. The differences from 1 are about 0.111, 0.06, 0.03, 0.05 and 0.1, so 97% is closest.
8	C	Multiplying by 100 moves every digit two places to the left, so 0.45 becomes 45.
9	C	27/45 simplifies to 3/5 (divide both by 9). 3/5 = 60/100 = 60%.
10	C	Subtract the whole numbers: 5 − 2 = 3. Then the fractions: 3/4 − 1/2 = 3/4 − 2/4 = 1/4. The answer is 3 1/4.
11	C	If 40% is 26, then 10% is 26 ÷ 4 = 6.5. The whole number is 100%, which is 6.5 × 10 = 65.
12	B	0.36 is 36/100. Dividing top and bottom by 4 gives 9/25.
13	E	As decimals: 11/20 = 0.55, 0.6, 0.61, 62% = 0.62 and 5/8 = 0.625. The largest is 0.625, which is 5/8.
14	C	First find 2/5 of 60: 60 ÷ 5 = 12, and 12 × 2 = 24. Then 1/3 of 24 is 24 ÷ 3 = 8.

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15	B	Multiplying by 1000 moves every digit three places to the left, so 0.008 becomes 8.

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