Fractions, Decimals & Percentages: Medium Practice Paper 3 Answers

Q#	Answer	Explanation
1	D	The lowest common denominator of 8 and 6 is 24. 3/8 = 9/24 and 1/6 = 4/24, so 9/24 + 4/24 = 13/24.
2	C	10% of 150 is 15, so 20% is 30. 1% is 1.5, so 2% is 3. 30 − 3 = 27.
3	B	0.125 is 125/1000. Dividing top and bottom by 125 gives 1/8.
4	C	First find 1/7 of 63: 63 ÷ 7 = 9. Then multiply by 5: 9 × 5 = 45.
5	C	10% of 250 is 25 and 2% is 5, so 12% is 30. 250 + 30 = 280.
6	C	Dividing by 2 halves the amount. Half of 4 fifths is 2 fifths, so the answer is 2/5.
7	C	To change a percentage into a decimal, divide by 100. 130 ÷ 100 = 1.3.
8	C	12.5 is twelve and a half. Four lots of 12.5 is 48 + 2 = 50. Check: 125 × 4 = 500, so 12.5 × 4 = 50.
9	C	10% of £80 is £8 and 5% is £4, so 15% is £12. The sale price is £80 − £12 = £68.
10	D	Multiply top and bottom by 4 to make hundredths: 9/25 = 36/100 = 36%.
11	A	As decimals: 7/20 = 0.35, 36% = 0.36, 3/8 = 0.375, 0.39 and 0.4. The smallest is 0.35, which is 7/20.
12	D	2 × 4 = 8 and 1/2 × 4 = 2. Adding them gives 8 + 2 = 10.
13	C	If 30% is 24, then 10% is 24 ÷ 3 = 8. The whole number is 100%, which is 8 × 10 = 80.
14	C	This asks how many lots of 0.2 fit into 0.6. Since 0.2 + 0.2 + 0.2 = 0.6, the answer is 3.
15	C	One hour is 60 minutes, so the fraction is 24/60. Dividing top and bottom by 12 gives 2/5.

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