Fractions, Decimals & Percentages: Easy Practice Paper 7 Answers

Q#	Answer	Explanation
1	B	If 3 of the 10 marbles are red, then 10 − 3 = 7 are not red. Seven out of ten is written 7/10.
2	E	Half of 6 is 3, and half of the 1 that is left is 0.5. So half of 7 is 3.5, which is also written as three and a half.
3	C	A fraction is equal to one half when its top number is half of its bottom number. Half of 10 is 5, so the fraction is 5/10.
4	D	Tom eats 2/8 of a pizza and Jo eats 1/4 of a pizza. Dividing the top and the bottom of 2/8 by 2 shows that 2/8 = 1/4. Tom's slices are half the size of Jo's, but he eats twice as many, so they eat the same amount.
5	B	Per cent means 'out of every hundred'. So 30% means 30 out of every 100, which is the same as 3 out of every 10.
6	D	A pound is 100p. One quarter of 100p is 25p, and three quarters is three times as much: 100 ÷ 4 × 3 = 75 pence.
7	A	Each whole one is 2 halves, so two whole ones make 2 × 2 = 4 halves. The extra half makes 4 + 1 = 5 halves altogether.
8	C	Double means two lots. Two quarters are 1/4 + 1/4 = 2/4, and 2/4 = 1/2. Doubling the bottom number to get one eighth is wrong, because an eighth is smaller than a quarter, not bigger.
9	E	£1 is 100p. One tenth of it is 100 ÷ 10 = 10 pence, so the coin is a 10p. Ten of them make £1.
10	C	0.5 means 5 tenths. 0.50 means 5 tenths and 0 hundredths. Adding no hundredths does not change the number, so the two are equal. Being less than 1 is not the reason, since 0.2 and 0.9 are both less than 1 but are not equal.

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11	E	The glass was half full, and Sam drank half of that amount, so half of a half is left. Half of a half is one quarter, so the glass is now 1/4 full. The glass is not empty, because Sam drank only half of the juice.
12	B	If 4 is one half, the whole is two lots of 4: 4 × 2 = 8. Check: half of 8 is 4. The answer 2 comes from halving 4 instead of doubling it.
13	D	Each number is one tenth more than the one before. After 9 tenths come 10 tenths, which make one whole, so the missing number is 1.0. It is not 0.10, which is the same as 0.1.
14	E	The bottom number of a fraction says how many equal parts the whole has been divided into. The top number says how many of those parts are being counted. So 3/4 means 3 parts out of 4 equal parts.
15	A	Halfway between 0 and 1/2 is half of a half, which is one quarter. Check: 1/4 + 1/4 = 1/2, so 1/4 is the same distance from 0 as it is from 1/2.

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