Fractions, Decimals & Percentages: Easy Practice Paper 6 Answers

Q#	Answer	Explanation
1	C	Five equal parts means each part is one fifth. The marks after 0 are 1/5, 2/5, 3/5 and 4/5. The third mark is 3/5.
2	D	One whole pizza can be cut into 4 quarters. Three whole pizzas give 3 × 4 = 12 quarters.
3	E	The bottom number says how many equal pieces the whole is cut into. The more pieces there are, the smaller each one is. A third is one of 3 equal pieces and a half is one of 2 equal pieces, so 1/3 is smaller than 1/2.
4	A	Carry on the count: the fifth number is 2 1/2, the sixth is 3 and the seventh is 3 1/2. Another way to see it is that the seventh number is seven halves, and six halves make 3 wholes, leaving one more half.
5	B	One half means 1 divided by 2, which is 0.5 as a decimal and 50% as a percentage. 1/5 is one fifth, which is 0.2. 5% is only five hundredths, 0.12 is twelve hundredths and 1/3 is one third. The digits 1, 2 and 5 appear in several of the choices, but only 0.5 is a half.
6	E	6 hours out of 24 hours is 6/24. Dividing the top and the bottom by 6 gives 6/24 = 1/4. Check: 4 × 6 = 24, so four lots of 6 hours make a whole day.
7	C	Cut each pizza into 4 quarters. That makes 3 × 4 = 12 quarters. Sharing them between 4 children gives 12 ÷ 4 = 3 quarters each, so each child gets 3/4 of a pizza.
8	A	There are 2 halves and each one is cut into 3 pieces, so there are 2 × 3 = 6 equal pieces altogether. Each small piece is one of 6 equal parts, which is 1/6 of the ribbon.
9	B	25% is the same as one quarter. The Banana slice has a square corner at the centre and takes up exactly one quarter of the circle. Apple takes up half of the circle, which is 50%, and Grapes and Orange are each smaller than a quarter.

myFreeSchool

10	D	There are 100 cm in a metre, and per cent means 'out of 100'. 37 cm out of 100 cm is 37%.
11	B	50% is one half. Half of 200 ml is 200 ÷ 2 = 100 ml. The special bottle holds the normal amount and the extra: 200 + 100 = 300 ml.
12	C	3/4 is the same as 75%, so 75% of the charge is left. The amount used is 100 − 75 = 25, so 25% has been used. That is one quarter.
13	D	Multiply the top and bottom of 1/3 by 2 to turn thirds into sixths: 2/6 = 1/3. So two sixths are equal to one third.
14	A	One half is 0.5 or 50%. 0.6 is 6 tenths, which is more than 5 tenths. 0.45 and 40% are both less than 50%. 3/8 is less than 4/8, which is a half, and 1/3 is less than a half too.
15	E	Jo has used 2 + 3 = 5 pieces, so 10 − 5 = 5 pieces are left. That is 5/10 of the bar, and dividing the top and the bottom by 5 gives 5/10 = 1/2.

myfreeschool