Fractions, Decimals & Percentages: Medium Practice Paper 6

Q1. The table shows the same values written in three different ways. Which decimal should replace the question mark?

Fraction	Decimal	Percentage
1/2	0.5	50%
1/4	0.25	25%
3/5	?	60%
7/10	0.7	70%

A. 0.06 *B.* 0.35 *C.* 0.6 *D.* 0.65 *E.* 6.0

Q2. Use the same table. Which list puts the four fractions in order, smallest first?

Fraction	Decimal	Percentage
1/2	0.5	50%
1/4	0.25	25%
3/5	?	60%
7/10	0.7	70%

A. 1/4, 1/2, 3/5, 7/10

B. 1/2, 1/4, 3/5, 7/10

C. 1/4, 3/5, 1/2, 7/10

D. 7/10, 3/5, 1/2, 1/4

E. 1/4, 1/2, 7/10, 3/5

Q3. Which of these is the largest?

A. 0.605 *B.* 3/5 *C.* 61% *D.* 0.62 *E.* 5/8

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Q4. Which of these gives the same answer as finding 75% of a number?

A. Dividing by 4, then multiplying by 3

B. Multiplying by 4, then dividing by 3

C. Dividing by 3

D. Multiplying by 0.075

E. Dividing by 75

Q5. Which of these decimals is closest to 1/3?

A. 0.3 *B.* 0.33 *C.* 0.34 *D.* 0.35 *E.* 0.4

Q6. Write 35% as a fraction in its simplest form.

A. 7/20 *B.* 35/10 *C.* 3/5 *D.* 1/3 *E.* 7/25

Q7. Write 3/8 as a percentage.

A. 3.8% *B.* 24% *C.* 37.5% *D.* 38% *E.* 62.5%

Q8. Which of these decimals is the smallest?

A. 0.099 *B.* 0.39 *C.* 0.4 *D.* 0.401 *E.* 0.44

Q9. What is 3/4 of 2 metres, in centimetres?

A. 75 cm *B.* 125 cm *C.* 150 cm *D.* 160 cm *E.* 175 cm

Q10. Write 36/48 in its simplest form.

A. 1/2 *B.* 2/3 *C.* 3/4 *D.* 4/5 *E.* 5/6

Q11. What is 15% of £60?

A. £6 *B.* £9 *C.* £12 *D.* £15 *E.* £45

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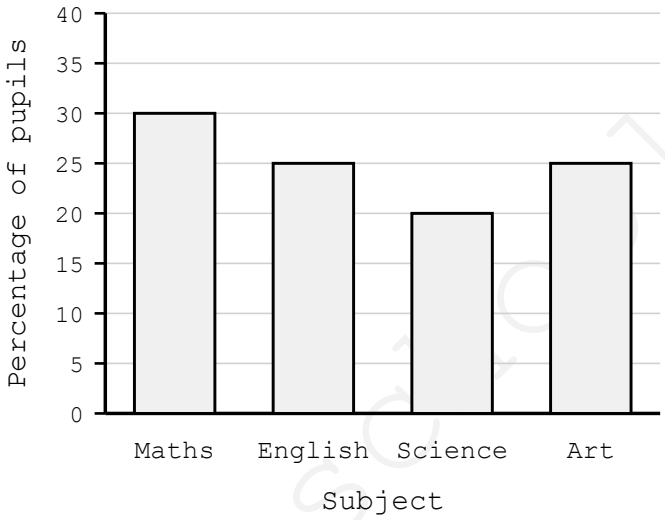
Q12. Which of these is equal to 0.6?

A. 1/6 *B.* 3/5 *C.* 6% *D.* 0.66 *E.* 5/6

Q13. The bar chart shows the percentage of pupils choosing each favourite subject. What fraction of the pupils chose maths?



A. 3/100 *B.* 1/5 *C.* 1/4 *D.* 3/10 *E.* 1/3

Q14. What is 0.25 × 8?

A. 0.2 *B.* 2 *C.* 20 *D.* 3.2 *E.* 32

Q15. In a class of 32 pupils, 3/8 are boys. How many girls are there?

A. 8 *B.* 12 *C.* 16 *D.* 20 *E.* 24

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