Fractions, Decimals & Percentages: Hard Practice Paper 3

Q1. A shirt is reduced from £45 to £36. What is the percentage decrease?

A. 9% B. 18% C. 20% D. 25% E. 80%

Q2. 2/3 of the pupils in a school are girls. 3/8 of the girls play netball. What fraction of the whole school play netball?

A. 1/6 B. 1/4 C. 5/11 D. 9/16 E. 3/4

Q3. Increase £180 by 45%.

A. £234 B. £250 C. £255 D. £261 E. £270

Q4. What is 4 1/2 ÷ 3/4?

A. 3 3/8 B. 5 C. 6 D. 6 3/4 E. 12

Q5. Which of these has the least value?

A. 1/7 B. 16.5% C. 0.166 D. 0.1666 E. 1/6

Q6. A car costs £10,000 when new. Its value falls by 20% each year. What is it worth after 2 years?

A. £6,000 B. £6,400 C. £6,800 D. £8,000 E. £9,600

Q7. 3/5 of a number is 12 more than 1/3 of the same number. What is the number?

A. 30 B. 36 C. 40 D. 45 E. 60

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Q8. What is 0.6 ÷ 0.04?

A. 0.15 B. 1.5 C. 15 D. 24 E. 150

Q9. 65% of a number is 91. What is the number?

A. 120 B. 130 C. 140 D. 145 E. 150

Q10. Write 0.875 as a fraction in its simplest form.

A. 5/8 B. 7/8 C. 7/80 D. 8/7 E. 87/100

Q11. What is 2/3 of 1/2 of 3/4 of 240?

A. 45 B. 54 C. 60 D. 72 E. 80

Q12. 2/5 of a number is 26. What is 30% of the same number?

A. 15.6 B. 19.5 C. 21 D. 22.5 E. 26

Q13. What is 5/6 − 3/8?

A. 1/3 B. 11/24 C. 1/2 D. 13/24 E. 2/3

Q14. In a sale, all prices are reduced by 15%. A coat costs £102 in the sale. What was its price before the sale?

A. £110 B. £117 C. £120 D. £125 E. £130

Q15. What percentage of 2 hours is 36 minutes?

A. 18% B. 24% C. 30% D. 36% E. 40%

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