Fractions, Decimals & Percentages: Hard Practice Paper 4

Q1. After a 12% increase, the price of a phone is £280. What was the price before the increase?

A. £246.40 B. £250 C. £252 D. £258 E. £268

Q2. What is 7/12 + 5/8?

A. 12/20 B. 1 C. 1 1/6 D. 1 5/24 E. 1 1/2

Q3. A bag contains 60 counters. 1/4 of them are red and 40% of them are blue. The rest are green. How many green counters are there?

A. 18 B. 20 C. 21 D. 24 E. 25

Q4. What is 2 2/5 ÷ 1 1/5?

A. 1 1/5 B. 1 1/2 C. 2 D. 2 1/2 E. 3

Q5. Which of these is closest to 2/3?

A. 7/11 B. 65% C. 0.66 D. 0.667 E. 0.68

Q6. A town's population increases by 10% one year and then by 20% the next year. What is the overall percentage increase?

A. 30% B. 31% C. 32% D. 33% E. 34%

Q7. Ella has read 5/8 of a book with 96 pages. How many pages has she still to read?

A. 24 B. 30 C. 36 D. 40 E. 60

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Q8. What is 0.72 ÷ 0.09?

A. 0.08 B. 0.8 C. 6.48 D. 8 E. 80

Q9. 45% of a number is 27. What is 80% of the same number?

A. 36 B. 42 C. 48 D. 54 E. 55

Q10. Write 5/16 as a decimal.

A. 0.3125 B. 0.316 C. 0.32 D. 0.35 E. 0.516

Q11. Which fraction lies exactly halfway between 1/6 and 1/2?

A. 1/4 B. 1/3 C. 3/8 D. 2/5 E. 5/12

Q12. A printer costs £54 including VAT at 20%. What was the price before VAT was added?

A. £43.20 B. £44 C. £45 D. £46 E. £48

Q13. What is 1/2 of 1/3 of 1/4 of 480?

A. 10 B. 15 C. 20 D. 24 E. 30

Q14. A shop buys a toy for £24 and sells it for £30. What is the percentage profit?

A. 6% B. 20% C. 24% D. 25% E. 30%

Q15. Which of these is worth the most?

A. 3/5 B. 0.605 C. 61% D. 0.612 E. 5/8

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