Fractions, Decimals & Percentages: Hard Practice Paper 5

Q1. A jacket is reduced by 25% in a sale, and then a further £5 is taken off at the till. The final price is £31. What was the original price?

A. £42 B. £45 C. £48 D. £50 E. £52

Q2. 3/8 of a number is equal to 1/4 of 96. What is the number?

A. 48 B. 56 C. 64 D. 72 E. 80

Q3. What is 15% of 40% of 500?

A. 25 B. 30 C. 33 D. 36 E. 45

Q4. What is 1 5/6 − 2/3?

A. 1/6 B. 1 1/6 C. 1 1/3 D. 1 1/2 E. 2 1/6

Q5. A number is decreased by 40% to give 54. What was the number?

A. 75 B. 81 C. 86.4 D. 90 E. 135

Q6. Jo spends 1/3 of her money on a book and then 2/5 of what is left on lunch. What fraction of her original money does she still have?

A. 1/5 B. 4/15 C. 2/5 D. 1/2 E. 3/5

Q7. What is 0.35 × 0.2?

A. 0.007 B. 0.07 C. 0.55 D. 0.7 E. 7

myfreeschool

Q8. In a test, Ravi scored 24 marks out of 32. What percentage did he score?

A. 60% B. 66% C. 72% D. 75% E. 80%

Q9. What is 5/6 ÷ 2/3?

A. 5/9 B. 1 1/4 C. 1 1/2 D. 1 3/4 E. 2

Q10. Which of these five numbers is the largest?

A. 84.5% B. 0.849 C. 0.8499 D. 17/20 E. 6/7

Q11. A television costs £84. The price is first reduced by 25%, and the reduced price is then increased by 20%. What is the final price?

A. £73.50 B. £75.60 C. £78 D. £81 E. £84

Q12. What is 2/7 of 3/5 of 700?

A. 100 B. 105 C. 120 D. 140 E. 150

Q13. What percentage of 3/4 is 3/8?

A. 25% B. 37.5% C. 50% D. 75% E. 200%

Q14. Which decimal lies exactly halfway between 0.4 and 0.5?

A. 0.41 B. 0.44 C. 0.45 D. 0.49 E. 0.9

Q15. A class has 28 pupils. One day 25% of them are absent. The next day 3 of those absent pupils return. What fraction of the class is absent on the second day?

A. 1/14 B. 3/28 C. 1/7 D. 1/5 E. 1/4

myfreeschool