Fractions, Decimals & Percentages: Hard Practice Paper 2

Q1. After a 30% discount, a coat costs £63. What was the price before the discount?

A. £81.90 B. £84 C. £90 D. £93 E. £96

Q2. 5/9 of a number is 40. What is 2/3 of the same number?

A. 42 B. 45 C. 48 D. 54 E. 60

Q3. Decrease 480 by 35%.

A. 288 B. 300 C. 312 D. 320 E. 336

Q4. What is 3 1/3 × 2 1/4?

A. 5 1/2 B. 6 1/3 C. 7 1/2 D. 8 1/4 E. 9

Q5. Which of these five numbers is the smallest?

A. 7/10 B. 0.705 C. 0.71 D. 71.5% E. 5/7

Q6. The price of a book is increased by 10%, and the new price is then decreased by 20%. What is the overall change in the price?

A. 10% increase

B. 12% increase

C. no change

D. 10% decrease

E. 12% decrease

myfreeschool

Q7. What is 7/8 ÷ 7/16?

A. 49/128 B. 1/2 C. 2 D. 2 1/2 E. 4

Q8. What is 0.045 × 200?

A. 0.09 B. 0.9 C. 9 D. 90 E. 900

Q9. In a survey, 40% of the people chose blue as their favourite colour. 90 people chose blue. How many people took part in the survey?

A. 130 B. 180 C. 200 D. 225 E. 250

Q10. Write 17/40 as a decimal.

A. 0.4 B. 0.425 C. 0.43 D. 0.435 E. 0.475

Q11. What is 5/6 of 3/10 of 120?

A. 24 B. 27 C. 30 D. 32 E. 36

Q12. A number is increased by 60% to give 96. What was the number?

A. 36 B. 38.4 C. 57.6 D. 60 E. 64

Q13. A number falls from 250 to 200. What is the percentage decrease?

A. 15% B. 20% C. 25% D. 30% E. 50%

Q14. What is 1 − (2/5 + 1/4)?

A. 3/20 B. 7/20 C. 1/3 D. 2/5 E. 9/20

myfreeschool

Q15. A recipe uses 0.75 kg of flour to make 12 buns. How much flour is needed to make 20 buns?

A. 1 kg B. 1.15 kg C. 1.2 kg D. 1.25 kg E. 1.5 kg

myfreeschool