Fractions, Decimals & Percentages: Hard Practice Paper 7

Q1. What is 5/6 + 3/8? Give your answer as a mixed number.

A. 1 1/24 *B.* 1 5/24 *C.* 1 7/24 *D.* 1 1/2 *E.* 8/14

Q2. What is 2 3/4 − 1 5/6?

A. 1/12 *B.* 5/12 *C.* 11/12 *D.* 1 1/6 *E.* 1 5/12

Q3. What is 2 1/2 × 1 3/5?

A. 2 3/10 *B.* 3 1/2 *C.* 4 *D.* 4 1/2 *E.* 5 1/5

Q4. What is 3 3/4 ÷ 1 1/2?

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

Q5. What is 3/4 of 2/3 of 480?

A. 120 *B.* 160 *C.* 200 *D.* 240 *E.* 320

Q6. Jo spends 1/4 of her wages on rent and then 2/5 of what is left on food. What fraction of her wages does she still have?

A. 7/20 *B.* 9/20 *C.* 1/2 *D.* 11/20 *E.* 3/5

Q7. 3/7 of a number is 24. What is 5/14 of the same number?

A. 16 *B.* 18 *C.* 20 *D.* 24 *E.* 28

Q8. Which of these is closest to 3/4?

A. 11/16 *B.* 5/7 *C.* 0.72 *D.* 0.76 *E.* 4/5

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Q9. Which fraction lies exactly halfway between 1/3 and 3/4?

A. 7/24 *B.* 1/2 *C.* 13/24 *D.* 7/12 *E.* 5/8

Q10. A tank is 2/5 full. After 24 litres are poured in, it is 7/10 full. What is the capacity of the tank?

A. 60 litres

B. 72 litres

C. 80 litres

D. 96 litres

E. 120 litres

Q11. How many glasses holding 3/8 of a litre can be filled from 3 litres of juice?

A. 6 *B.* 8 *C.* 9 *D.* 12 *E.* 24

Q12. What is 0.144 ÷ 0.12?

A. 0.12 *B.* 1.2 *C.* 12 *D.* 1.44 *E.* 0.012

Q13. Write 0.625 as a fraction in its simplest form.

A. 5/8 *B.* 3/5 *C.* 62/100 *D.* 5/16 *E.* 1/6

Q14. Half of a number is 6 more than one fifth of the same number. What is the number?

A. 12 *B.* 15 *C.* 20 *D.* 24 *E.* 30

Q15. Which of these is the greatest?

A. 0.6 *B.* 5/8 *C.* 0.66 *D.* 2/3 *E.* 68%

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