PRACTICE FRACTIONS, DECIMALS, PERCENTS

SKILLS TEST #1

Make each sentence or statement TRUE by filling in the blank frame WITHOUT the use of a CALCULATOR! Passing criterion is AT LEAST 17 correct in ONE-HALF HOUR.

I. Fill in the blank frame with the SIMPLEST NAME for a fraction.

1. $\frac{11}{15} + \square = \frac{9}{10}$

2. $\frac{23}{24} - \frac{3}{8} = \square$

3. $\square - \frac{7}{30} = \frac{9}{10}$

4. $\left(\frac{5}{9} \times \frac{17}{30}\right) \times 36 = \square$

5. $\square \times \frac{5}{12} = \frac{15}{2}$

6. $\left(9\frac{7}{8}\right) \times 9 = \square$

7. $\frac{2}{3} \div 4 = \square$

8. $\square \div \frac{9}{8} = \frac{2}{3}$

9. $\frac{1}{5} \div \square = \frac{1}{3}$

10. $\frac{4}{9} \times \left(\frac{27}{16} \cdot \square\right) = \left(\frac{4}{9} \times \frac{27}{16}\right) \times \frac{8}{27}$

11. $\frac{4}{5} = \frac{\square}{4}$

12. $\frac{2}{3} \times \left(\frac{1}{8} + \square\right) = \left(\frac{2}{3} \times \frac{1}{8}\right) + \left(\frac{2}{3} \times \frac{2}{9}\right)$

II. Fill in the blank frame with the appropriate number.

13. Find the decimal equivalent of the following percent: 0.8% $\boxed{}$

14. Find the decimal equivalent of the following: $\frac{7}{40}$ $\boxed{}$

15. Sixteen is what % of 20? $\boxed{}$

16. What is 2% of 21? $\boxed{}$

17. Twenty percent of what number is 64? $\boxed{}$

18. Write the following in its equivalent fractional form: $0.\overline{253}$ $\boxed{}$

19. $\boxed{} + 0.135 = 0.24$

20. $\boxed{} \times 1.3 = 3.12$

21. $1.3 \times .56 = \boxed{}$

Answers: 1. 1/6 2. 7/12 3. 17/15 or 1 2/15 4. 34/3 or 11 1/3 5. 18
6. 711/8 or 88 7/8 7. 1/6 8. 3/4 9. 3/5 10. 8/27 11. 16/5 12. 2/9
13. 0.008 14. 0.175 15. 80% 16. 0.42 17. 320 18. 253/999 19. 0.105 20. 2.4
21. 0.728