Testing Yourself

Find the answer for each example and problem:

1. $\begin{array}{r} 23{,}582{,}603 \\ -19{,}703{,}510 \end{array}$ $\quad 2105\overline{)\$17808.30}$ $\quad \begin{array}{r} \$3875.98 \\ \times 24 \end{array}$ $\quad \begin{array}{r} 96{,}482{,}310 \\ +9{,}357{,}895 \end{array}$

2. $66\frac{2}{3}\%$ of $888 = ?$ $\quad 16 = ?\%$ of 80 $\quad 27 = 62\frac{1}{2}\%$ of $?$

3. $1\frac{1}{4} = ?\%$ $\quad \frac{1}{3} = ?\%$ $\quad \frac{3}{4} = ?\%$ $\quad \frac{1}{6} = ?\%$

4. $32.6 \div 100$ $\quad .035 \div 10$ $\quad 7.9 \div 1000$ $\quad .45 \div 100$ $\quad 25.64 \div 1000$

5. $84 = ?$ fraction of 96. Of 252? $\quad 45 = \frac{5}{6}$ of $?$ $\quad \frac{3}{4}$ of $?$

6. $7 \div 5\frac{1}{4}$ $\quad 8 \times 5\frac{5}{6}$ $\quad 6\frac{2}{3} + 3\frac{1}{5}$ $\quad 9\frac{1}{6} - 4\frac{9}{10}$ $\quad 12\frac{4}{5} \times 9\frac{3}{8}$ $\quad 3\frac{3}{10} \div 8\frac{4}{5}$

7. Linda bought a $2.95 scarf that was reduced to $2.36. How much did she save? By what per cent was the scarf reduced?

8. Mr. Johnson pays $7.95 a sq. yd. for carpeting which he sells for $12.95 a sq. yd. If his overhead is 20% of the selling price, what will his profit be on the sale of 20 sq. yd. of this carpeting?

9. A storekeeper allows 24% of his cost price for overhead. How much will the overhead be on a fan that costs him $15.75?

10. What is the volume of a packing crate with these dimensions: length $8\frac{3}{4}$ ft., width $5\frac{1}{3}$ ft., and height $4\frac{1}{2}$ ft.?

11. After estimating that he needed 95 gallons of gasoline, a pilot told the attendant to add the usual 20% for safety. How many gallons should the attendant put in the tank?

12. The scale of a map is 1 inch to 25 miles. What is the distance between two towns that are 3.8 in. apart on the map?

13. At a rate of $4\frac{1}{2}\%$, what is the interest on a loan of $3500 for 5 years?

14. What is the circumference of a circular flower bed with a diameter of 21 ft.? What is the area?

15. *One-way airline fare* between New York and Boston is $12.15. A round-trip ticket costs 5% less than two one-way tickets. What is the cost of a round-trip ticket?

Contents

1. Understanding the Structure and Use of Our Number System . . . . . .
2. Understanding and Using Addition and Subtraction . . . . . .
3. Understanding and Using Multiplication . . . . . .
4. Understanding and Using Division . . . . . .
5. Understanding and Using Common Fractions . . . .
6. Understanding Problem Solving . . . . . .
7. Understanding and Using Measures . . . . . .
8. Understanding and Using Decimal Fractions . . . .
9. Using Arithmetic in the World Around Us . . . . .
10. *Understanding the Meaning and Use of* Per Cents . . . . . .
11. Using Per Cents . . . . . .
12. Learning More about Using Per Cents . . . . . .
13. Learning More about Using Measures . . . . . .
14. Understanding How Formulas Help Us in Solving Problems . . . . . .
15. Understanding the Meaning and Use of Graphs . .
16. Using Arithmetic in Home and Community Life . . . . . .
17. *Using Arithmetic in Understanding* Today's World . . . . . .
18. Showing How Well You Can Use Arithmetic . . .

More Practice for Individual Needs . . . . . .