

ZETA UNIT TEST 111

DIVIDE AND CHECK BY MULTIPLYING.

$$1) 4 \overline{) 4.008}$$

$$\begin{array}{r} \text{CHECK \#1} \\ .002 \\ \times 4 \\ \hline .008 \checkmark \end{array}$$

$$3) 6 \overline{) 61.30}$$

$$\begin{array}{r} \text{CHECK \#3} \\ .05 \\ \times 6 \\ \hline .30 \checkmark \end{array}$$

$$5) .2 \overline{) 430.860}$$

$$\begin{array}{r} \text{CHECK \#5} \\ 430 \\ \times .2 \\ \hline 86.0 \end{array}$$

$$7) .09 \overline{) .0063}$$

$$\begin{array}{r} \text{CHECK \#7} \\ .07 \\ \times .09 \\ \hline .0063 \end{array}$$

$$9) 2.1 \overline{) 16.33.6}$$

$$\begin{array}{r} \text{CHECK \#9} \\ 16 \\ 2.1 \\ \hline 16 \\ 32 \\ \hline 33.6 \end{array}$$

$$11) .005 \overline{) 1810.9050}$$

$$\begin{array}{r} \text{CHECK \#11} \\ 1810 \\ \times .005 \\ \hline 9050 \end{array}$$

SOLVE FOR THE UNKNOWN, CHECK YOUR ANSWER BY USING IT IN THE ORIGINAL EQUATION.

$$13) \frac{6.3W}{6.3} = \frac{11.34}{6.3}$$

$$W = 1.8$$

$$14) \text{CHECK \#13} \times \frac{6.3}{1.8} = \frac{504}{63} = 11.34$$

$$15) .7x + .08 = 17.58$$

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$$16) \text{CHECK \#15} \frac{25}{.7} = 35.714$$

17) IF A DRESS THAT ORIGINALLY COST \$45 IS MARKED DOWN 35%, AND TAX 9%, WHAT IS THE TOTAL COST OF THE DRESS?

$$\begin{array}{r} 45 \\ .65 \\ \hline 225 \\ 270 \\ \hline 29.25 \end{array}$$

$$\begin{array}{r} 29.25 \\ 1.09 \\ \hline 26325 \\ 292500 \\ \hline 31.8825 \end{array}$$

\$31.88

DIVIDE TO THE THOUSANDTHS PLACE, THEN
ROUND TO THE NEAREST HUNDREDTH.

$$18) \quad 6 \overline{) 73.4000} = \underline{\underline{12.23}}$$

DIVIDE UNTIL YOU SEE A PATTERN, AND WRITE
THE ANSWER WITH A LINE OVER THE REPEAT.

$$19) \quad .3 \overline{) 4.5500} = \underline{\underline{15.\bar{16}}}$$

DIVIDE TO THE HUNDREDTHS PLACE, THEN
WRITE THE REMAINDER AS A FRACTION.

$$20) \quad 8 \overline{) 7.00} = \underline{\underline{.87\frac{1}{8}}}$$

$$7 \overline{) 2.000} = .28\frac{4}{7}$$

CHANGE EACH FRACTION TO A DECIMAL, THEN A PERCENT.

$$21) \quad \frac{9}{10} = .9 = 90\% \quad 22) \quad \frac{2}{7} = .28\frac{4}{7} = 28\frac{4}{7}\%$$

$$23) \quad \frac{1}{3} = .33\frac{1}{3} = 33\frac{1}{3}\% \quad 24) \quad \frac{3}{4} = .75 = 75\%$$

25) WHAT IS THE VOLUME OF A RECTANGULAR
SOLID THAT MEASURES 8 ft x 9 ft x 7.2 ft?

$$= \begin{array}{r} 72 \\ 7.2 \\ \hline 144 \\ 5040 \\ \hline 518.4 \end{array} = \underline{\underline{518.4 \text{ cu ft}}}$$