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Addition: Add the following numbers.

$$\begin{array}{r} 1. \quad .024 \\ + \quad .165 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 18.235 \\ + \quad 2.693 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 1.544 \\ + \quad 3.061 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 700.08 \\ + \quad 146.92 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 4' - 8 \frac{1}{4}" \\ 19' - 8 \frac{3}{16}" \\ + 10' - 3 \frac{3}{8}" \\ \hline \end{array}$$

6. A journeyman ordered the following lengths of steel pipe: 15' of 2" pipe, 142' of 1 1/2" pipe, 96' of 1 1/4" pipe. What is the total length in feet (footage) of all three pipe sizes combined?

Answer: _____.

7. If an apprentice cuts three pieces of 1/2" copper tube and each piece measures 18", 36", and 18", what is the total length of copper tube, in FEET?

Answer: _____.

Subtraction: Subtract the following numbers.

1. Subtract 2,625 from 3,600 _____.

2. Subtract 63 from 324 _____.

3.
$$\begin{array}{r} 18,012 \\ - \quad 130 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 1,000,001 \\ - 999,999 \\ \hline \end{array}$$

5. A mechanical contractor has 1,457 feet of pipe in the warehouse. A total of 239 feet is used on a job. How much is remaining? _____ feet.

6. An apprentice cut 46 feet of copper tubing from a 60 foot coil. How much was left on the coil? _____ feet.

Multiplication: Multiply the following numbers.

1.
$$\begin{array}{r} 15 \\ \times 13 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 4,131 \\ \times 40 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 680 \\ \times 53 \\ \hline \end{array}$$

4. A power hacksaw operates at 140 strokes per minute. How many strokes does it make in 25 minutes?
_____ strokes.

5. A rectangular storage tank has an inside length of 8.75' and an inside width of 6.25'. What is the total number of square feet of Area in the base of the tank? AREA (In Square Feet) = Length (In Feet) X Width (In Feet).
Answer: _____ sq. feet.

Division: Divide the following Numbers.

1. 96 divided by 24 = _____.
2. 1022 divided by 14 = _____.
3. 104 divided by 6.4 = _____.
4. A journeyman worked 8.5 hours and earned \$43.52. What was the journeyman's hourly wage? _____ per hour.

Fractions:

1.
$$\begin{array}{r} 12/16 \\ + 5/8 \\ \hline \end{array}$$
2.
$$\begin{array}{r} 27-15/16 \\ - 1-1/8 \\ \hline \end{array}$$
3. $1/3 \times 3/5 = \underline{\hspace{2cm}}$
4. $4-1/4$ divided by $3/5 = \underline{\hspace{2cm}}$.

Change the following percentage to a decimal:

5. 95.1% = _____.

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Change the following fraction to percentage:

6. $\frac{7}{8} =$ _____.

Find the following:

7. 1% of 85: _____.

8. 36 is what percent of 9? _____.

Change the following measurements to Feet & Inches
(NOTE: 12" equals 1 foot)

9. $67 \frac{3}{4}$ " _____.

10. $16 \frac{1}{2}$ " _____.