

**Learning Goal:**

By the end of this lesson I should be able to DIVIDE a decimal number by another decimal number and get a result that has a remainder, WITHOUT the use of a calculator (technology).

**Example Strategies:**

Divide the following:  $28.5 \div 1.6$

Group Subtraction      Long Division       $\frac{28.5 \times 10}{1.6 \times 10} = \frac{285}{16}$

$$\begin{array}{r} 17 \\ 1.6 \overline{)28.5} \\ \underline{-16} \\ 12.5 \\ \underline{-8} \\ 4.5 \\ \underline{-3.2} \\ 1.3 \end{array}$$

$$\begin{array}{r} 17 \\ 16 \overline{)285} \\ \underline{-160} \\ 125 \\ \underline{-112} \\ 13 \end{array}$$

$$17 \frac{13}{16}$$

**Skills Practice:**

1. Use Long Division or Group Subtraction to divide the following.

(a)  $1.5 \overline{)17.5}$

(b)  $2.2 \overline{)24.8}$

(c)  $8.2 \overline{)29.7}$

(d)  $2.25 \overline{)45.5}$

(e)  $0.8 \overline{)10.2}$

(f)  $5.35 \overline{)34.1}$