

Learning Goal:

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

Example Strategies:

Find the Quotient for $28.5 \div 1.5$

Group Subtraction

Long Division

$$\frac{28.5 \times 10}{1.5 \times 10} = \frac{285}{15}$$

$\begin{array}{r} 19 \\ 1.5 \overline{)28.5} \\ \underline{-15} \\ 13.5 \\ \underline{-13.5} \\ 0 \end{array}$	$\begin{array}{r} 19 \\ 15 \overline{)285} \\ \underline{-15} \\ 135 \\ \underline{-135} \\ 0 \end{array}$
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Skills Practice:

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

(a) $1.25 \overline{)7.5}$

(b) $2.2 \overline{)17.6}$

(c) $8.25 \overline{)24.75}$

(d) $2.125 \overline{)25.5}$

(e) $0.4 \overline{)7.2}$

(f) $5.36 \overline{)32.16}$