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## Dividing with Decimals

Dividend - The number that is being divided.

Divisor - The number that the dividend is being divided into.

Quotient - The answer to a division problem.

$\frac{\text{Quotient}}{\text{Divisor} \overline{) \text{Dividend}}}$  - The way to set up a division problem.

Dividing a decimal by a whole number -

- 1) Divide just like you would with whole numbers.
- 2) Line up the decimal point in the quotient with the decimal point in the dividend.
- 3) Stop dividing when "zero" is the remainder.

Example 1:

$$\begin{array}{r} 36.25 \\ 21 \overline{) 761.25} \\ \underline{-63} \phantom{0} \\ 131 \phantom{0} \\ \underline{-126} \phantom{0} \\ 52 \phantom{0} \\ \underline{-42} \phantom{0} \\ 105 \phantom{0} \\ \underline{-105} \\ 0 \end{array}$$

$$761.25 \div 21 = 36.25$$

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