

# 8.3 Add Decimals

1. Line up the decimals.

2. Add

Tip: ALWAYS add like  
(line up decimals)

$$23.5 + 7.42$$

$$\begin{array}{r} 23.5 \text{ (imaginary zero)} \\ + 7.42 \\ \hline 30.9 \end{array}$$

$$0.28 + 0.6 + 0.09$$

$$\begin{array}{r} 0.28 \\ + 0.60 \\ + 0.09 \\ \hline 0.97 \end{array}$$

$$4.34 + 12.876$$

$$\begin{array}{r} 12.876 \\ + 4.340 \\ \hline 17.216 \end{array}$$

## Change decimal $\Rightarrow$ fraction

"say it, write it, simplify it"

$$0.23 = \frac{23}{100}$$

easy enough?

$$0.5 = \frac{5}{10} \div 5 = \frac{1}{2}$$

$$0.75 = \frac{75}{100} = \frac{3}{4}$$

$$0.6 = \frac{6}{10} \div 2 = \frac{3}{5}$$

Mixed #

$$1.23 = 1\frac{23}{100}$$

$$13.08 = 13\frac{8}{100} \div 4 = \frac{2}{25}$$

keep scrolling

## Least - Greatest

0.8, 0.09, 0.53

zeros on the end add  
NO  
value

L 0.09, 0.53, 0.80 G

42.8 = 42.8000000000

12.5, 12.62, 12.58

12.50

12.62

12.58

0.84 < 0.9

L 12.50, 12.58, 12.62 G