

# Adding, Subtracting, Multiplying, & Dividing DECIMALS

## Adding and Subtracting:

1. Line up the decimal points
2. Add / Subtract like normal.
3. Bring the decimal point straight down into your answer.

EX. 
$$\begin{array}{r} 0.25 \\ + 6.8 \\ \hline 7.05 \end{array}$$

## Multiplying:

1. Multiply like normal. (ignore decimal points)
2. Count the number of digits behind the decimal points in the 2 factors.
3. Place the decimal point in the product the same number of spaces that you found in step 2.

EX. 
$$\begin{array}{r} 5.3 \\ \times 0.9 \\ \hline 4.77 \end{array}$$

## Dividing:

$$\begin{array}{r} \text{quotient} \\ \text{divisor} \overline{) \text{dividend}} \end{array}$$

1. If the divisor is not a whole number, move the decimal to the right to make it a whole #.
2. Move the decimal point in the dividend the same # of spaces as above.
3. Bring the decimal point straight up into the quotient.
4. Divide like normal.

EX. 
$$\begin{array}{r} 6.2 \\ 0.4 \overline{) 2.48} \\ \underline{-2.4} \phantom{0} \\ 0.8 \\ \underline{-0.8} \\ 0 \end{array}$$

# Now practice ☺

1.  $2.344 + 15.06$

$$\begin{array}{r} 2.344 \\ + 15.06 \\ \hline 17.404 \end{array}$$

2.  $9.003 + 4.1$

$$\begin{array}{r} 9.003 \\ + 4.1 \\ \hline 13.103 \end{array}$$

3.  $45.09 - 13.8$

$$\begin{array}{r} 45.09 \\ - 13.80 \\ \hline 31.29 \end{array}$$

4.  $2.99 - 0.345$

$$\begin{array}{r} 2.990 \\ - 0.345 \\ \hline 2.645 \end{array}$$

5.  $34.2 \times 2.8$

$$\begin{array}{r} 34.2 \\ \times 2.8 \\ \hline 2736 \\ 6840 \\ \hline 95.76 \end{array}$$

6.  $5.1 \times 0.07$

$$\begin{array}{r} 5.1 \\ \times 0.07 \\ \hline .357 \end{array}$$

7.  $0.75 \div 0.5$

$$\begin{array}{r} 1.5 \\ 0.5 \overline{) 0.75} \\ \underline{-5} \phantom{0} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

8.  $5.4 \div 1.2$

$$\begin{array}{r} 4.5 \\ 1.2 \overline{) 5.40} \\ \underline{-48} \phantom{0} \\ 60 \\ \underline{-60} \\ 0 \end{array}$$