

# Add and Subtract Decimals

When you want to find the sum or difference of two decimal numbers, follow the steps listed below:

**STEP 1:** Write the number in vertical form. Remember to align the decimal points.

**STEP 2:** Write the decimal point for the answer. Place it directly under the other points.

**STEP 3:** Add as you would add whole numbers. Remember to regroup if needed.

Imad is buying school supplies.

Binder \$4.59	Paper \$1.85
Pen \$1.05	Highlighter \$0.89

The total cost of Imad's school supplies is \$8.38.

$$\begin{array}{r}
 \$4.59 \\
 1.85 \\
 1.05 \\
 + 0.89 \\
 \hline
 \mathbf{\$8.38}
 \end{array}$$

Now suppose Imad pays for his supplies with a \$50.00 bill. Find the amount of change he should receive.

**STEP 1:** Write the number in a column. Remember to align the decimal points.

$$\begin{array}{r}
 \$50.00 \\
 - 8.38 \\
 \hline
 \end{array}$$

**STEP 2:** Write the decimal point for the answer. Then subtract as you would with whole numbers, regrouping as necessary.

$$\begin{array}{r}
 \$50.00 \\
 - 8.38 \\
 \hline
 \$41.62
 \end{array}$$

Imad should receive \$41.62 change.

## Examples:

**A- Find the sum or difference.**

$$\begin{array}{r}
 1) 68.23 \\
 + 5.84 \\
 \hline
 74.07
 \end{array}$$

$$\begin{array}{r}
 2) 145.872 \\
 - 56.902 \\
 \hline
 88.97
 \end{array}$$

$$\begin{array}{r}
 3) 48.910 \\
 - 25.451 \\
 \hline
 23.459
 \end{array}$$

**B- Place the decimal point correctly in the answer.**

$$\begin{array}{r}
 4) 201.453 + 76.32 = 277773 \\
 \mathbf{277.773}
 \end{array}$$

$$\begin{array}{r}
 5) 45.98 - 7.53 = 3845 \\
 \mathbf{38.45}
 \end{array}$$