

## 1.3 Subtracting Decimals

Step #1: Line up the decimal points and the place-value positions, just like when you compare decimals.

Step #2: Subtract like the decimals were whole numbers.

Difference -----> Subtraction

Example: Find the difference.

a.)  $0.586 - 0.492$

$$\begin{array}{r}
 0.\overset{4}{\cancel{5}}\overset{18}{\cancel{8}}6 \\
 - 0.492 \\
 \hline
 0.094
 \end{array}$$

b.)  $856.79 - 622.03$

$$\begin{array}{r}
 856.79 \\
 - 622.03 \\
 \hline
 234.76
 \end{array}$$

Example: Find the difference.

c.)  $8745.435 - 230.450$       d.)  $23.594 - 7.008$

$$8745^4.4^5 3^5 5$$

$$23^1 59^8 4^4$$

$$- 230.450$$

$$- 7.008$$

$$\boxed{8514.985}$$

$$\boxed{16.586}$$

Example: Find the difference.

e.)  $596.081 - 574.116$

f.)  $0.910 - 0.745$

$$596^5.0^8 8^1 1^1$$

$$0.9^8 1^1 0^1$$

$$- 574.116$$

$$- 0.745$$

$$\boxed{21.965}$$

$$\boxed{0.165}$$

Example: Find the difference.

g.)  $8 - 2.04735$

$$\begin{array}{r}
 8.00000 \\
 -2.04735 \\
 \hline
 5.95265
 \end{array}$$

Handwritten annotations: '7' above the first 0, '10' above the second 0, '9' above the third 0, '9' above the fourth 0, '9' above the fifth 0, '10' above the sixth 0.

h.)  $5 - 2.15678$

$$\begin{array}{r}
 5.00000 \\
 -2.15678 \\
 \hline
 2.84322
 \end{array}$$

Handwritten annotations: '4' above the first 0, '9' above the second 0, '9' above the third 0, '9' above the fourth 0, '9' above the fifth 0, '10' above the sixth 0. The entire subtraction is crossed out with a red line.

Example: Ariana needs \$42.50 for a ticket to an amusement park. She has already saved \$17.75. How much more must Ariana save to reach her goal?

$$\begin{array}{r}
 348.50 \\
 -17.75 \\
 \hline
 330.75
 \end{array}$$

Handwritten annotations: '11' above the 8, '14' above the 5, '10' above the 0. The final result is boxed and has a dollar sign written next to it.