



Student: _____

Symphony EXTENSIONS

Date: _____

21 | Standard Algorithm: Add/Subtract

1. Solve each equation:

$$\begin{array}{r} 1 \\ 341 \\ + 639 \\ \hline 980 \end{array}$$

$$\begin{array}{r} 813 \\ 693 \\ - 408 \\ \hline 285 \end{array}$$

ANSWER KEY

TRUE or FALSE : The value of the digit **8** in each solution above is the same.TRUE

2. Add:

$$\begin{array}{r} 1 \\ 7749 \\ + 2066 \\ \hline 9815 \end{array}$$

If the number **1** in your answer were moved two places to the left, which statement describes the relationship between the present value of **1** and the new value of **1**?

- a. The new value would be 1000 times the present value.
- b. The new value would be 100 times the present value.
- c. The new value would be 10 times the present value.
- d. The new value would be 1/10 times the present value.

The **1** is in the **10s** place. If we move it two places to the left it will be in the **thousands** place.

$$1,000 = 10 \times 100.$$

3. Maya's family takes long trips during the summer. Here are the total miles traveled during each trip:

Klamath Falls	610 miles
Los Padres National Forest	768 miles
King's Canyon National Park	599 miles
Big Sur State Park	609 miles

$$2 \frac{1}{3}$$

$$1 \frac{5}{4}$$

ANSWER KEY

What is the difference between the shortest and longest distances?

Show your work below:

$$\begin{array}{r} 61518 \\ \cancel{768} \\ - 599 \\ \hline 169 \end{array}$$

There are 169 miles difference between the shortest (599) and longest (768) distances.

3. Find the missing numbers. Show your work below.

a. 803,317 is 7,029 less than 810,346

b. 4753 is 3767 more than 986

c. 581 more than 361 is 942

$$\begin{array}{r} 010316 \\ 8\cancel{1}0\cancel{3}\cancel{4}\cancel{6} \\ - 803317 \\ \hline 7029 \end{array}$$

$$\begin{array}{r} 3161413 \\ \cancel{4}\cancel{7}\cancel{5}\cancel{3} \\ - 986 \\ \hline 3767 \end{array}$$

$$\begin{array}{r} 814 \\ \cancel{9}\cancel{4}2 \\ - 361 \\ \hline 581 \end{array}$$