

Adding and Subtracting

Addition and subtraction are related.

$$12 - 5 = 7$$

$$7 + 5 = 12$$

You can use addition to check subtraction.

You can use subtraction to check addition.

Subtract $900 - 534$. Estimate: $900 - 500 = 400$ **Step 1**

Regroup hundreds to tens and tens to ones.

$$\begin{array}{r}
 9 \\
 8 \cancel{1} 0 1 0 \\
 \cancel{0} \cancel{0} \cancel{0} \\
 - 5 3 4 \\
 \hline
 3 6 6
 \end{array}
 \quad
 \begin{array}{r}
 11 \\
 366 \\
 + 534 \\
 \hline
 900
 \end{array}$$

Step 2

Check your work.

Since you subtracted, use addition to check.

Use the difference as one addend. Use the number you subtracted as the other addend. The sum should match the number you subtracted from.

366 is the correct difference.

In **1** and **2**, add or subtract. Use the inverse operation to check your answer.

$$\begin{array}{r}
 1. \quad 400 \\
 - 165 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 235 \\
 + 165 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 514 \\
 + 317 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 831 \\
 - 317 \\
 \hline
 \end{array}$$

In **3** and **4**, find the sum or difference. Fill in the numbers in the problem you used to check your answer.

$$\begin{array}{r}
 3. \quad 906 \\
 - 641 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \underline{\hspace{2cm}} \\
 + \underline{\hspace{2cm}} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 251 \\
 + 749 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \underline{\hspace{2cm}} \\
 - \underline{\hspace{2cm}} \\
 \hline
 \end{array}$$

- 5. Draw a Picture** Cara's goal is to have 800 buttons in her collection. She already has 327 buttons. How many more buttons does she need to reach her goal? Draw a picture to help solve the problem.