

Name _____

Date _____

Four Digit Addition - Guided Lesson Explanation**Explanation # 1**

Firstly we add the digits from right to left so that $4 + 4 = 8$. Write down 8.

$$\begin{array}{r} 8 \quad 1 \quad 3 \quad 4 \\ + 1 \quad 8 \quad 5 \quad 4 \\ \hline 8 \end{array}$$

Then we add $3 + 5 = 8$. Write down 8

$$\begin{array}{r} 8 \quad 1 \quad 3 \quad 4 \\ + 1 \quad 8 \quad 5 \quad 4 \\ \hline 8 \quad 8 \end{array}$$

Then we add $1 + 8 = 9$. Write down 9

$$\begin{array}{r} 8 \quad 1 \quad 3 \quad 4 \\ + 1 \quad 8 \quad 5 \quad 4 \\ \hline 9 \quad 8 \quad 8 \end{array}$$

Now we add $8 + 1 = 9$. So we get 9

$$\begin{array}{r} 8 \quad 1 \quad 3 \quad 4 \\ + 1 \quad 8 \quad 5 \quad 4 \\ \hline 9 \quad 9 \quad 8 \quad 8 \end{array}$$

The answer is 9,988



Name _____

Date _____

Explanation # 2

Firstly we add the digits from right to left so that $9 + 0 = 9$. Write down 9.

Add the tens place $2 + 2 = 4$.

$$\begin{array}{r} 6 \quad 5 \quad 2 \quad 9 \\ + 1 \quad 4 \quad 2 \quad 0 \\ \hline \quad \quad 4 \quad 9 \end{array}$$

First we add right to left digit so that $5 + 4 = 9$.

Write down 9 and add $6 + 1 = 7$

$$\begin{array}{r} 6 \quad 5 \quad 2 \quad 9 \\ + 1 \quad 4 \quad 2 \quad 0 \\ \hline 7 \quad 9 \quad 4 \quad 9 \end{array}$$

The answer is 7,949

Explanation # 3

Firstly we add the digits from right to left so that $5 + 3 = 8$. Write down 8.

$$\begin{array}{r} 5 \quad 5 \quad 1 \quad 0 \\ + 4 \quad 3 \quad 7 \quad 0 \\ \hline \quad \quad 8 \quad 0 \end{array}$$

$5 + 3 = 8$. And Add $5 + 4 = 9$

$$\begin{array}{r} 5 \quad 5 \quad 1 \quad 0 \\ + 4 \quad 3 \quad 7 \quad 0 \\ \hline 9 \quad 8 \quad 8 \quad 0 \end{array}$$

The answer is 9,880

