

Name _____

Date _____

Multiplication 3 by 3 (In Grid) - Guided Lesson Explanation

Explanation#1

First we multiply 3 by 541. So we get

$$\begin{array}{r} 541 \\ \times 3 \\ \hline 1623 \end{array}$$

Then we multiply 1 by 541.

$$\begin{array}{r} 541 \\ \times 13 \\ \hline 1623 \end{array}$$

541x x represents a 0 holding the tens place.

Now we multiply 2 by 541. So we get

$$\begin{array}{r} 541 \\ \times 213 \\ \hline 1623 \end{array}$$

541x

1082xx xx represents a 00 holding the hundreds place.

$$\begin{array}{r} 1082xx \\ \hline 115233 \end{array}$$

So the answer is: 115233.



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Explanation#2

First we multiply 6 by 044. So we get

$$\begin{array}{r} 044 \\ \times 6 \\ \hline 264 \end{array}$$

Then we multiply 4 by 044.

$$\begin{array}{r} 044 \\ \times 46 \\ \hline 264 \end{array}$$

176x x represents a 0 holding the tens place.

Now we multiply 9 by 044. So we get

$$\begin{array}{r} 044 \\ \times 946 \\ \hline 264 \\ 176x \\ \hline 396xx \\ \hline 41624 \end{array}$$

xx represents a 00 holding the hundreds place.

So the answer is: 41624.



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Explanation#3

First we multiply 2 by 487. So we get

$$\begin{array}{r} 487 \\ \times 2 \\ \hline 974 \end{array}$$

Then we multiply 5 by 487.

$$\begin{array}{r} 487 \\ \times 52 \\ \hline 974 \end{array}$$

2435x x represents a 0 holding the tens place.

Now we multiply 4 by 487. So we get

$$\begin{array}{r} 487 \\ \times 452 \\ \hline 974 \end{array}$$

2435x

1948xx xx represents a 00 holding the hundreds place.

$$\begin{array}{r} 1948xx \\ \hline 220124 \end{array}$$

So the answer is: 220124.

