

# Same-Ten Trick

Magically multiply any numbers that begin with the same digits and whose last digits add to ten.

This is one of my favorite tricks because it's simple, useful, and easy to remember.



Leading digits must be the **Same**.

Last digits must add to **Ten**.

$$\begin{array}{r} 15 \\ \times 15 \\ \hline \end{array}$$

Bump the top digit up 1 and multiply the Leading digits.

$$\begin{array}{r} 2 \\ \cancel{1}5 \\ \times \cancel{1}5 \\ \hline 225 \end{array}$$

Multiply the Last digits.

## More Examples

$$\begin{array}{r} 3 \\ \cancel{2}5 \\ \times \cancel{2}5 \\ \hline 625 \end{array}$$

$$\begin{array}{r} 4 \\ \cancel{3}5 \\ \times \cancel{3}5 \\ \hline 1225 \end{array}$$

$$\begin{array}{r} 5 \\ \cancel{4}6 \\ \times \cancel{4}4 \\ \hline 2024 \end{array}$$

$$\begin{array}{r} 6 \\ \cancel{5}7 \\ \times \cancel{5}3 \\ \hline 3021 \end{array}$$

$$\begin{array}{r} 7 \\ \cancel{6}8 \\ \times \cancel{6}2 \\ \hline 4216 \end{array}$$

$$\begin{array}{r} 8 \\ \cancel{7}9 \\ \times \cancel{7}1 \\ \hline 5609 \end{array}$$

$$9 \times 1 = 09$$



## Your turn!

$$\begin{array}{r} 81 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ \times 105 \\ \hline \end{array}$$

Answers: 7209, 9016, 11025