

$$\begin{array}{r} 5,51 \\ 756 \\ \times 29 \\ \hline 6804 \\ + 15120 \\ \hline 21,924 \end{array}$$

$$\begin{array}{r} 756 \\ \times 20 \\ \hline 15,120 \\ + 6804 \\ \hline 21,924 \end{array}$$

$$\begin{array}{r} 55 \\ 756 \\ \times 9 \\ \hline 6804 \end{array}$$

Multiplying by multiple digit numbers

$$\begin{array}{r} 321 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ \times 6 \\ \hline \end{array}$$

Step One: Attack a problem
one number at a time

$$\begin{array}{r} 321 \\ \times 56 \\ \hline \end{array} = \begin{array}{r} 321 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline + \\ 321 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r}
 \overset{1}{3}21 \\
 \times 56 \\
 \hline
 1926 \\
 1605 \\
 \hline
 17976
 \end{array}
 =
 \begin{array}{r}
 \overset{1}{3}21 \\
 \times 50 \\
 \hline
 16050 \\
 + 1926 \\
 \hline
 17976
 \end{array}
 +
 \begin{array}{r}
 \overset{1}{3}21 \\
 \times 6 \\
 \hline
 1926
 \end{array}$$

$$\begin{array}{r}
 224 \\
 \times 25 \\
 \hline

 \end{array}$$

$$\begin{array}{r}
 224 \\
 \times 20 \\
 \hline
 4480
 \end{array}
 \quad
 \begin{array}{r}
 \overset{1}{2} \\
 224 \\
 \times 5 \\
 \hline
 1120
 \end{array}
 \quad
 \begin{array}{r}
 \\
 + 1120 \\
 + 4480 \\
 \hline
 5600 \\

 \end{array}$$

$$\begin{array}{r}
 569 \\
 \underline{46} \\
 \hline
 \end{array}
 =
 \begin{array}{r}
 \begin{array}{r}
 \overset{2}{5} \overset{3}{6} 9 \\
 \times \quad \quad 40 \\
 \hline
 22760 \\
 \quad 3414 \\
 \hline
 26,174
 \end{array}
 \quad
 \begin{array}{r}
 \overset{4}{5} \overset{5}{6} 9 \\
 \times \quad \quad 6 \\
 \hline
 3414
 \end{array}
 \end{array}$$

$$\begin{array}{r} \#1 \\ 323 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} \#2 \\ 656 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} \#3 \\ 721 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} \#4 \\ 535 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} \#5 \\ 333 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} \#6 \\ 429 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} \#7 \\ 691 \\ \times 55 \\ \hline \end{array}$$

$$\begin{array}{r} \#8 \\ 986 \\ \times 63 \\ \hline \end{array}$$