Lesson 2.11 Notes

Step 1: Write problem vertically w/ multi-digit # on top

Step 2: Estimate ≈ round multi-digit factor

Step 3: Multiply ones by ones (regroup if needed)

Step 4: Multiply single digit ones by tens of multi-digit factor (adding in regrouping if needed and regrouping when needed)

Step 5: Multiply single digit ones by hundreds of multi-digit factor (adding in regrouping if needed and regrouping when needed)

Step 6: Continue the process

Ex1

$$\begin{array}{r} 5\,6\,7 \\ \times\quad\;\; 3 \\ \hline 1,701 \end{array} \approx \begin{array}{r} 600 \\ \times\quad 3 \\ \hline 1,800 \end{array}$$

Ex2

$$\begin{array}{r} 6\,0\,4 \\ \times\quad\;\; 7 \\ \hline 4,228 \end{array} \approx \begin{array}{r} 600 \\ \times\quad 7 \\ \hline 4,200 \end{array}$$

Ex3

$$\begin{array}{r} 9\,1\,2\,7 \\ \times\quad\;\; 4 \\ \hline 36,508 \end{array} \approx \begin{array}{r} 9000 \\ \times\quad 4 \\ \hline 36000 \end{array}$$

Ex4

$$\begin{array}{r} 7\,0\,8\,0 \\ \times\quad\;\; 5 \\ \hline 35,400 \end{array} \approx \begin{array}{r} 7000 \\ \times\quad 5 \\ \hline 35,000 \end{array}$$