

6. 4 Multiplying 3- and 4-Digit by 1-Digit Numbers

The steps below show how to multiply greater numbers.

	Example A	Example B
Step 1 Multiply the ones. Regroup if necessary.	$\begin{array}{r} 1 \\ 154 \\ \times 4 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ 1,214 \\ \times 7 \\ \hline 8 \end{array}$
Step 2 Multiply the tens. Add any extra tens. Regroup if necessary.	$\begin{array}{r} 21 \\ 154 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 2 \\ 1,214 \\ \times 7 \\ \hline 98 \end{array}$
Step 3 Multiply the hundreds. Add any extra hundreds.	$\begin{array}{r} 21 \\ 154 \\ \times 4 \\ \hline 616 \end{array}$	$\begin{array}{r} 12 \\ 1,214 \\ \times 7 \\ \hline 498 \end{array}$
Step 4 Multiply the thousands. Add any extra thousands.		$\begin{array}{r} 12 \\ 1,214 \\ \times 7 \\ \hline 8,498 \end{array}$

Find each product.

1.
$$\begin{array}{r} 352 \\ \times 3 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 2,768 \\ \times 7 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 482 \\ \times 8 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4,219 \\ \times 6 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 385 \\ \times 4 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 632 \\ \times 5 \\ \hline \end{array}$$

For 11 and 12, use the table at the right.

11. If Player A scores the same number of runs each season, how many runs will he score in 5 seasons?
_____ runs
12. If Player C scores the same number of runs each season, how many runs will he score in 8 seasons?
_____ runs

Runs Scored in 2010

Player	Runs Scored
A	128
B	113
C	142