11

Name _____ Date _____

Estimate the product. Then multiply by using the standard algorithm.

1. $382 \times 547 \approx$ _____ $\times$ _____

   $=$ _____

2. $473 \times 905 \approx$ _____ $\times$ _____

   $=$ _____

3. $638 \times 5{,}291 \approx$ _____ $\times$ _____

   $=$ _____

4. $7{,}418 \times 594 \approx$ _____ $\times$ _____

   $=$ _____

5. Blake wants to find 312×675. Look at Blake's work.

Blake's Way

$$
\begin{array}{r}
6\,7\,5 \\
\times \quad 3\,1\,2 \\
\hline
\overset{1}{1}\overset{1}{3}5\,0 \\
6\,7\,5 \\
+\,2\,\overset{2}{0}\overset{1}{2}5 \\
\hline
4{,}0\,5\,0
\end{array}
$$

a. Is Blake's answer reasonable? How do you know?

b. What mistakes did Blake make?

Multiply.

6. 651×823

7. 508×977

8. 467 times as much as 2,083

9. $6{,}254 \times 379$

Use the Read–Draw–Write process to solve the problem.

10. A cow weighs 712 kilograms. A blue whale is 255 times as heavy as the cow. How many kilograms does the blue whale weigh?