

**10**

Name \_\_\_\_\_

Date \_\_\_\_\_

Draw an area model to find the partial products and find their sum. Then multiply by using the standard algorithm. Compare your answers in each part to check that the product is correct.

1.  $523 \times 416$

a.

b.

				4	1	6
×				5	2	3
<hr/>						
+						
<hr/>						

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Estimate the product. Then multiply.

2.  $244 \times 2,031$

$244 \times 2,031 \approx \underline{\quad} \times \underline{\quad}$

$= \underline{\quad}$

$$\begin{array}{r} 2,031 \\ \times 244 \\ \hline \end{array}$$

$$+$$


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**REMEMBER**

3. Record the factor pairs for the given number as multiplication expressions. List the factors in order from least to greatest. Then circle prime or composite for the number.

Number	Multiplication Expressions	Factors	Prime or Composite
17			Prime Composite