

# Guided Practice

## 2.3

NAME \_\_\_\_\_

Module 2 Whole Number Operations  
Lesson 3 Large Numbers: Multiplication

### Set 1

Estimate before multiplying. Use a place value chart.

1  $806 \times 5$

Estimate THTO	Product THTO
$800$	$4\ 3$ $806$
$\times 5$	$\times 5$
<hr/> $4,000$	<hr/> $4,030$

2  $707 \times 7$

Estimate THTO	Product THTO
$700$	$4\ 4$ $707$
$\times 7$	$\times 7$
<hr/> $4,900$	<hr/> $4,949$

### Set 2

Use the Partial Products Method to solve.

- 1 Darren planted blueberry bushes in 16 rows of 32 bushes each. How many blueberry bushes did Darren plant in all?

$$\begin{array}{r}
 32 \\
 \times 16 \\
 \hline
 12 \\
 180 \\
 20 \\
 + 300 \\
 \hline
 512 \text{ bushes}
 \end{array}$$

- 2 The basketball team has to take a space shuttle to get to their next game. There are 16 players on the team. Space shuttle tickets cost \$125 each. What is the total cost of the space shuttle tickets?

$$\begin{array}{r}
 125 \\
 \times 16 \\
 \hline
 30 \\
 120 \\
 600 \\
 50 \\
 200 \\
 + 1000 \\
 \hline
 \$2,000 \text{ Total cost}
 \end{array}$$

Set 3

Solve.

1  $47 \times 59$

$$\begin{array}{r}
 \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 \cancel{4} \quad \cancel{7} \quad \quad \quad \\
 \quad \quad \cancel{5} \quad \cancel{9} \\
 \quad \quad \quad \times \quad 4 \quad 7 \\
 \hline
 \quad \quad \quad 4 \quad 1 \quad 3 \\
 + \quad 2 \quad 3 \quad 6 \quad 0 \\
 \hline
 \quad 2 \quad 7 \quad 7 \quad 3
 \end{array}$$

2  $216 \times 48$

$$\begin{array}{r}
 \text{TTh} \quad \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad \cancel{2} \\
 \quad \quad \quad \cancel{1} \quad \cancel{6} \quad \cancel{4} \\
 \quad \quad \quad \quad \times \quad 4 \quad 8 \\
 \hline
 1 \quad 1 \\
 \quad 1 \quad 7 \quad 2 \quad 8 \\
 + \quad 8 \quad 6 \quad 4 \quad 0 \\
 \hline
 1 \quad 0, \quad 3 \quad 6 \quad 8
 \end{array}$$