

# Exploring Partial-Products Multiplication

## Lesson 4-6

DATE

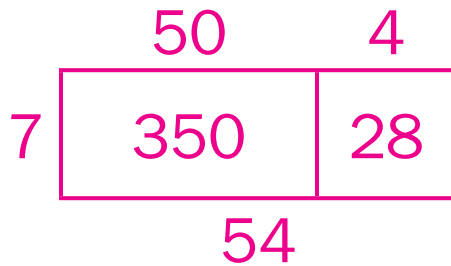
TIME

Draw a partitioned rectangle to represent the problem. Then use partial-products multiplication to record your work in a simpler way.



1

### Partitioned Rectangle

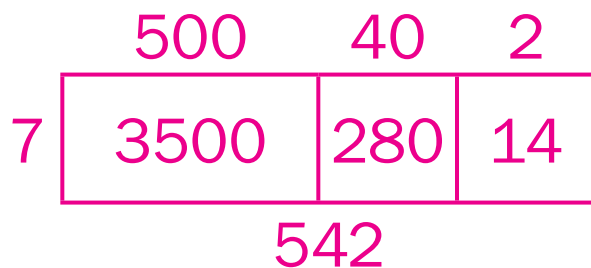


### Partial-Products Multiplication

$$\begin{array}{r} 54 \\ * 7 \\ \hline 350 \\ + 28 \\ \hline 378 \end{array}$$

2

### Partitioned Rectangle



### Partial-Products Multiplication

$$\begin{array}{r} 542 \\ * 7 \\ \hline 3500 \\ 280 \\ + 14 \\ \hline 3,794 \end{array}$$

# Exploring Partial-Products Multiplication (continued)

Lesson 4-6

DATE

TIME

Use partial-products multiplication to solve the problems.

3

$$\begin{array}{r} 47 \\ * 6 \\ \hline 240 \\ + 42 \\ \hline 282 \end{array}$$

4

$$\begin{array}{r} 635 \\ * 9 \\ \hline 5400 \\ 270 \\ + 45 \\ \hline 5,715 \end{array}$$

5

$$\begin{array}{r} 1,284 \\ * 8 \\ \hline 8000 \\ 1600 \\ 640 \\ + 32 \\ \hline 10,272 \end{array}$$

6

$$\begin{array}{r} 4,006 \\ * 5 \\ \hline 20,000 \\ + 30 \\ \hline 20,030 \end{array}$$