

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Multiplication Arrays

**1** Lida is solving  $6 \times 15$ .

**a** Sketch and label an open array for  $6 \times 15$ .

**b** What is the product of  $6 \times 15$ ? \_\_\_\_\_

**2** Tomas is solving  $3 \times 22$ .

**a** Sketch and label an open array for  $3 \times 22$ .

**b** What is the product of  $3 \times 22$ ? \_\_\_\_\_

**3** Rowan is solving  $7 \times 12$ .

**a** Sketch and label an open array for  $7 \times 12$ .

**b** What is the product of  $7 \times 12$ ? \_\_\_\_\_

**4** True or False?

**a**  $6 \times 15 = (6 \times 10) + (6 \times 5)$  \_\_\_\_\_

**b**  $3 \times 22 = (3 \times 20) + (3 \times 10)$  \_\_\_\_\_

**c**  $7 \times 12 = (7 \times 10) - (7 \times 2)$  \_\_\_\_\_

**d**  $9 \times 17 = (9 \times 10) + (9 \times 7)$  \_\_\_\_\_

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Multiplication Practice

**1** Solve these problems with mental computation. Write the answers.

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1,000 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10,000 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 100,000 \\ \times 3 \\ \hline \end{array}$$

**2** Explain how you figured out the answers to the problems above.

**3** Solve these problems in your head. Write the answers.

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 1,000 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 500 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 200 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ \times 5 \\ \hline \end{array}$$

**4 CHALLENGE**

$$\begin{array}{r} 900 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ \times 12 \\ \hline \end{array}$$