

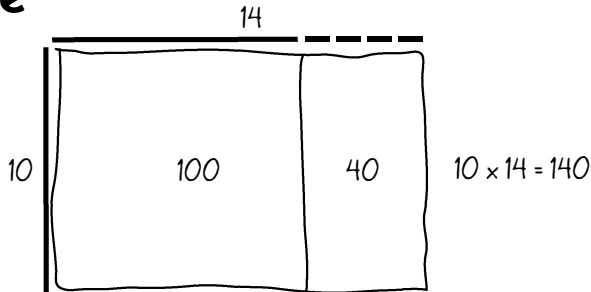
NAME _____



Multiplying by 10, 100 & 1000 page 1 of 2

- 1 For each problem, a–c
- label the dimensions.
 - fill in the area and label it.
 - write a multiplication equation to match.

example



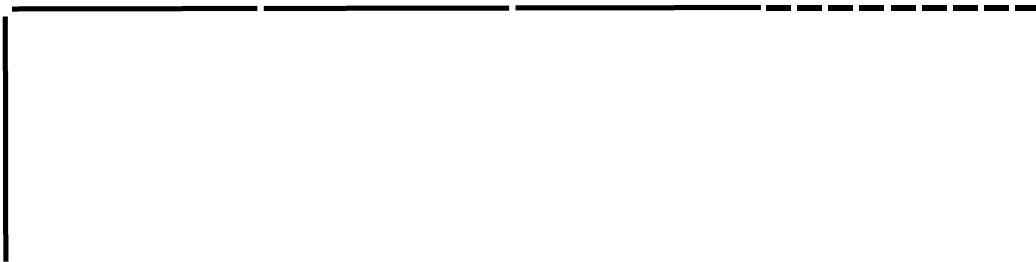
a



b



c



Multiplying by 10, 100 & 1000 page 2 of 2

2 Write the answers.

$$\begin{array}{r} 31 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 72 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ \times 10 \\ \hline \end{array}$$

3 Fill in the rest of this sentence.

When you multiply any number by 10,

4 Write the answers.

$$\begin{array}{r} 29 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 100 \\ \hline \end{array}$$

$35 \times 1,000 = \underline{\hspace{2cm}}$

$1,000 \times 19 = \underline{\hspace{2cm}}$

$40 \times 1,000 = \underline{\hspace{2cm}}$

5 The Ladybugs are planting a garden. They have a 25 cm by 10 cm rectangle for flowers. Each flower needs exactly 1 square centimeter of space. How many flowers can they plant? Show your work.

The Ladybugs can plant _____ flowers.



CHALLENGE

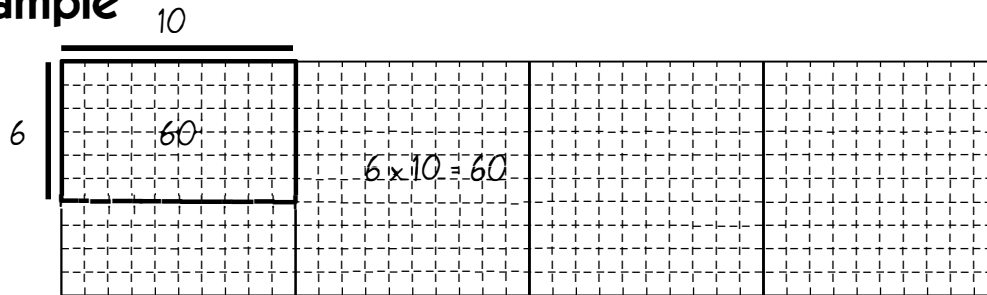
6 The Ladybugs have a 30 cm by 10 cm rectangle for pumpkins. Each pumpkin needs exactly 25 square centimeters of space. How many pumpkins can they plant? Show your work on another piece of paper. Include a labeled sketch.

The Ladybugs can plant _____ pumpkins.

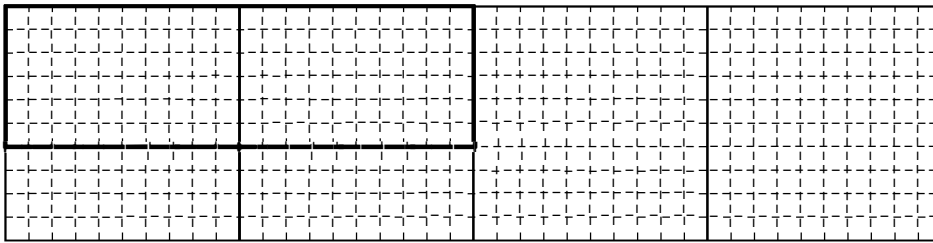
Explore Six

1 Label the dimensions and area of the rectangle on each grid. Write a multiplication equation to match.

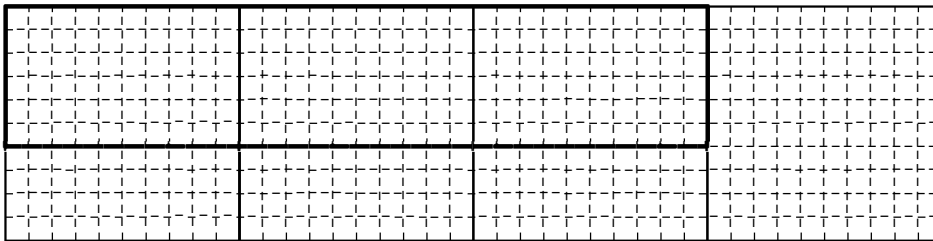
example



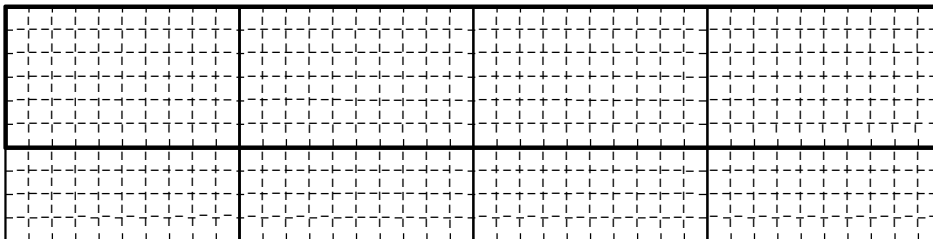
a



b



c



2 Use the information above to help solve these equations.

$6 \times 50 = \underline{\hspace{2cm}}$

$6 \times 60 = \underline{\hspace{2cm}}$

$6 \times 70 = \underline{\hspace{2cm}}$

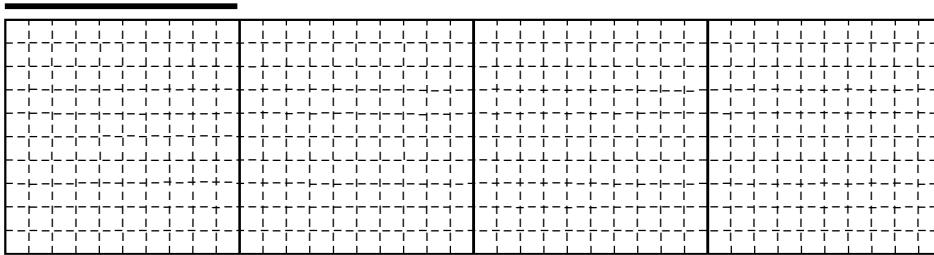
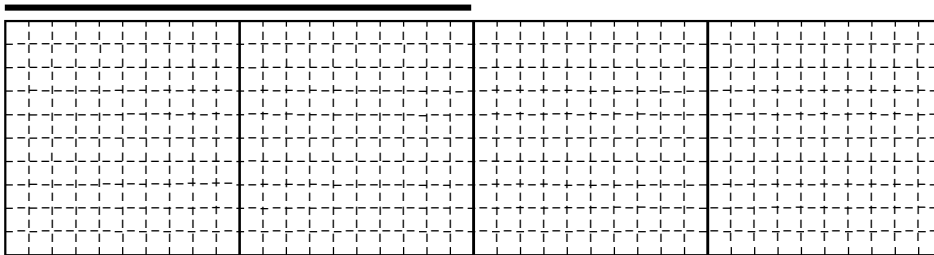
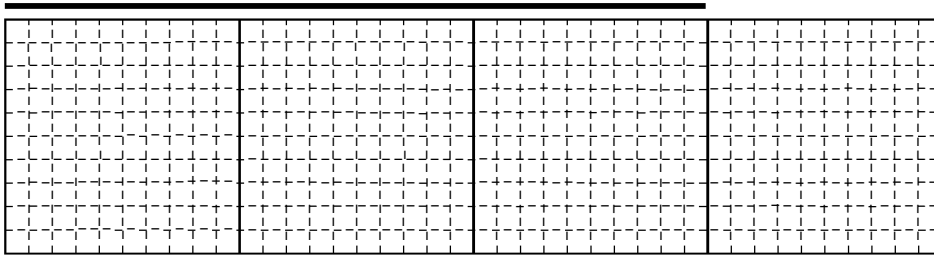
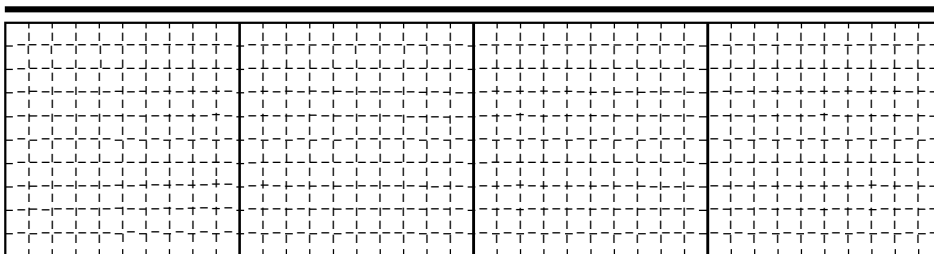
$6 \times 80 = \underline{\hspace{2cm}}$

$6 \times 90 = \underline{\hspace{2cm}}$

$6 \times 100 = \underline{\hspace{2cm}}$

Explore More

1 Chose a number between 4 and 9 (not 6) to multiply by 10 and multiples of 10. Draw the missing dimension and fill in the rectangle on each grid. Label the dimensions and the area of each rectangle. Write a multiplication equation to match.

a**b****c****d**

2 Use the information above to help complete these equations. Put the number you chose in the blank to the left side of the equation.

$$\underline{\quad} \times 50 = \underline{\quad}$$

$$\underline{\quad} \times 60 = \underline{\quad}$$

$$\underline{\quad} \times 70 = \underline{\quad}$$

$$\underline{\quad} \times 80 = \underline{\quad}$$

$$\underline{\quad} \times 90 = \underline{\quad}$$

$$\underline{\quad} \times 100 = \underline{\quad}$$

NAME _____



Multiplication Practice

1 Solve these problems in your head. 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



CHALLENGE

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

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

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

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

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

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

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