

# Homework

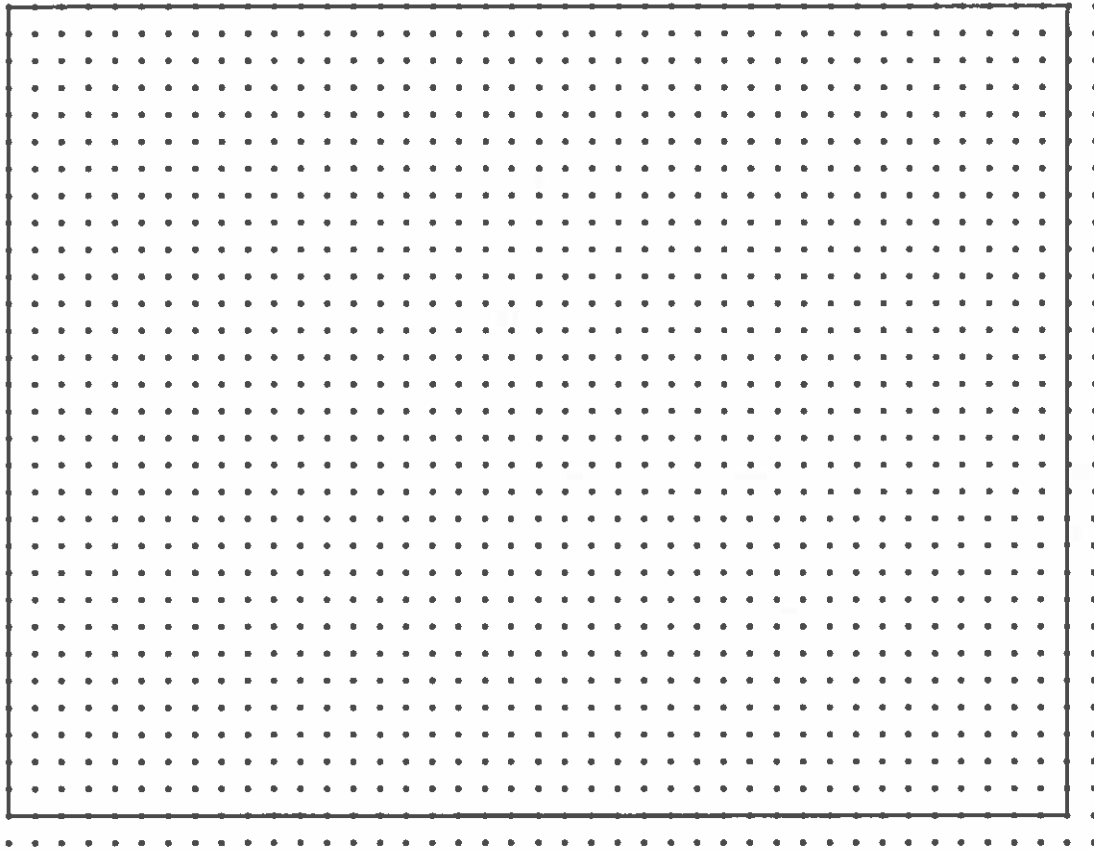
Solve each problem.

1.  $10 \times \underline{\hspace{2cm}} = 3 \text{ tens}$

2.  $10 \times 6 \text{ tens} = \underline{\hspace{2cm}}$

Follow the directions.

3. Divide the  $30 \times 40$  rectangle into 10-by-10 squares of 100 to help find the area.



4. Complete the steps to factor the tens.

$$30 \times 40 = (\underline{\hspace{2cm}} \times 10) \times (\underline{\hspace{2cm}} \times 10)$$

$$= (\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}) \times (10 \times 10)$$

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

$$= \underline{\hspace{2cm}}$$

5. What is the area of the  $30 \times 40$  rectangle, in square units?

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## Remembering

Write the number of thousands and the number of hundreds in each number.

1. 4,672

\_\_\_\_\_ thousands

\_\_\_\_\_ hundreds

2. 1,023

\_\_\_\_\_ thousands

\_\_\_\_\_ hundreds

3. 610

\_\_\_\_\_ thousands

\_\_\_\_\_ hundreds

Read and write each number in expanded form.

4. twenty-five thousand, three hundred fifty-one

\_\_\_\_\_

5. five hundred six thousand, five hundred ninety-eight

\_\_\_\_\_

6. nine hundred thirteen thousand, eight hundred twenty-seven

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Find the area (in square units) of a rectangle with the given dimensions.

7.  $4 \times 6$  \_\_\_\_\_

8.  $4 \times 60$  \_\_\_\_\_

9.  $9 \times 2$  \_\_\_\_\_

10.  $90 \times 2$  \_\_\_\_\_

11.  $3 \times 7$  \_\_\_\_\_

12.  $70 \times 3$  \_\_\_\_\_

13. **Stretch Your Thinking** Li is using place value to multiply  $90 \times 30$ .

$$\begin{aligned} 90 \times 30 &= (9 \times 10) \times (3 \times 10) \\ &= (9 \times 3) \times (10 \times 10) \\ &= 27 \times 10 \\ &= 270 \end{aligned}$$

Is Li's answer correct? Explain.

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