# Unit 4 Lesson 15: Find Missing Side Lengths

## WU Estimation Exploration: The Garden (Warm up)

### Student Task Statement

What is the area of one of the large rectangles in the garden?
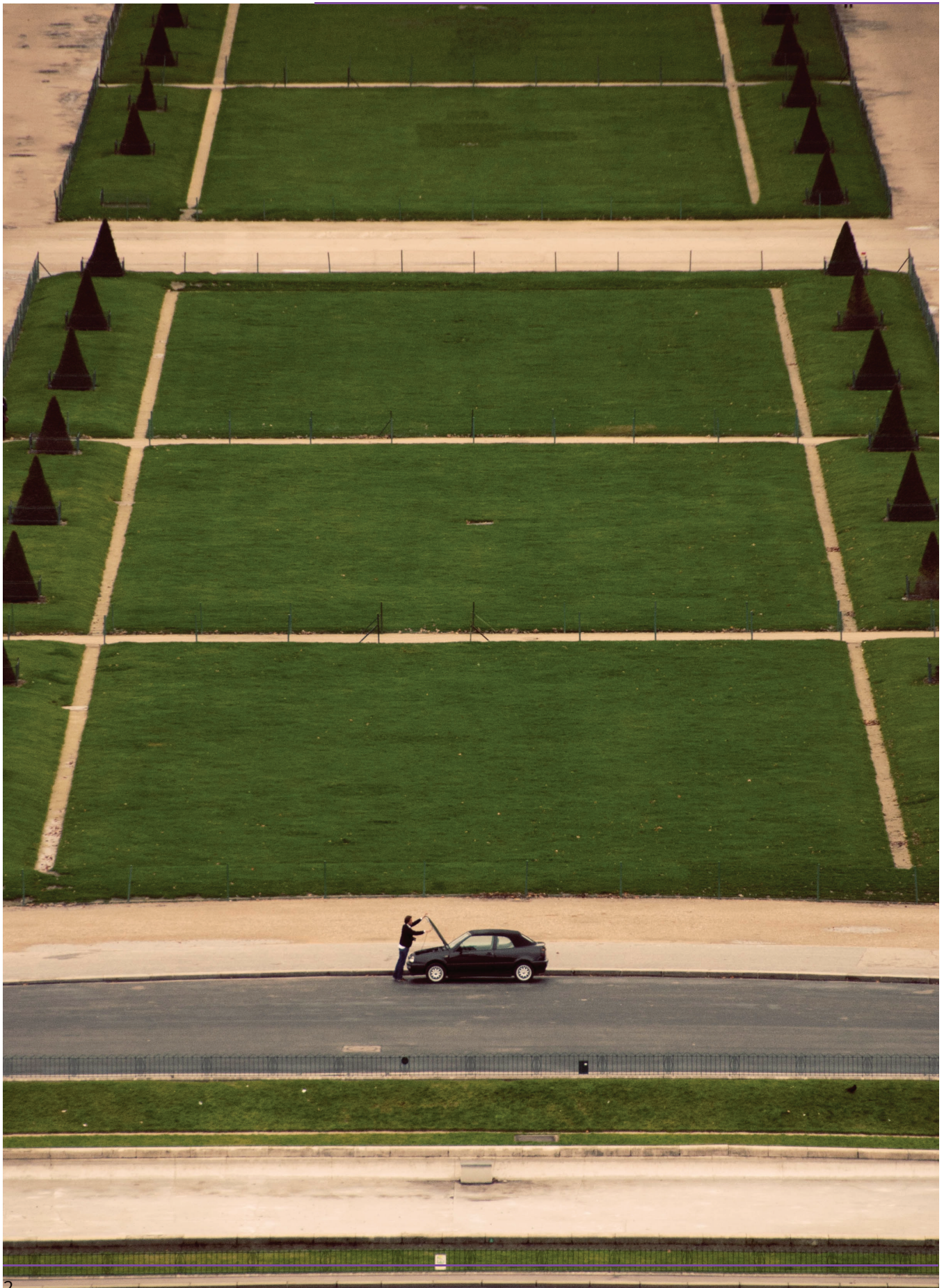
Record an estimate that is:

| too low | about right | too high |
|---------|-------------|----------|
|         |             |          |

## 1 Find the Missing Side Length, Part 1

Student Task Statement

Complete the table.

| area (square feet) | length (feet) | width (feet) |
|--------------------|---------------|--------------|
| 816                | 24            |              |
| 1,248              |               | 48           |
|                    | 23            | 253          |
| 5,796              |               | 36           |

## 2 Find the Missing Side Length, Part 2

Student Task Statement

1. Complete the table.

| volume (cubic feet) | base (square feet) | height (feet) |
|---------------------|--------------------|---------------|
| 375                 | 15                 |               |
| 1,176               |                    | 28            |

2. Clare wants to find the height of a rectangular prism with the following measurements:

| volume (cubic feet) | length (feet) | width (feet) | height (feet) |
|---------------------|---------------|--------------|---------------|
| 882                 | 6             | 7            |               |

   a. First, Clare finds the quotient $882 \div 6$. What could she do next to find the height?

   b. Find the missing height to finish the problem for Clare.

3. Complete the table.

| volume (cubic feet) | length (feet) | width (feet) | height (feet) |
|---|---|---|---|
| 936 | 8 | | 9 |
| 1,536 | | 48 | 2 |
| 1,008 | 36 | | |