## 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
 |

1. 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
 |  |

* 1. First, Clare finds the quotient $882÷6$. What could she do next to find the height?
	2. Find the missing height to finish the problem for Clare.
1. Complete the table.

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



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