in	feet. We have Since I can figure	to measure know there a re out the mi	each item only re 12 inches ir ssing measure urements in a	t one time. 1 foot, we ments. table. Use what you
kr m	iow about the relationship easurements.	between ind	ches and feet	to fill in the missing
	Measuring in Item Measured	reet and Inch	Feet	
	Length of a math book	12 inches	1 foot	
A.	Height of a shelf		2 feet	
B	Length of a table		6 feet	
C.	Width of a table	36 inches		
D.	. Width of the door	30 inches		
E.	Height of the door		7 feet	

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sher in inches.
$\frac{12 \text{ inches}}{1 \text{ foot}} = \frac{24 \text{ inches}}{2 \text{ feet}}$
I looked at the relationship between the denominators. Two feet is twice, or double, one foot. That means I have to double the number of inches in the numerator. Peter
Use Peter's strategy to complete the number sentences.
A. $\frac{12 \text{ inches}}{1 \text{ foot}} = \frac{1}{4 \text{ feet}}$ B. $\frac{1 \text{ foot}}{12 \text{ inches}} = \frac{1}{60 \text{ inches}}$
C. Show or tell how you solved Question 2B.

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I

\*Answers and/or discussion are included in the lesson.

Ι.

## Student Activity Book

Using Ratio in Measurement (SAB pp. 213–216) **Questions 1–5** 

Measuring	in	Feet	and	Inches
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	Item Measured	Inches	Feet	
	Length of a math book	12 inches	1 foot	
A.	Height of a shelf	24 inches	2 feet	
В.*	Length of a table	72 inches	6 feet	
C.	Width of a table	36 inches	3 feet	
D.*	Width of the door	30 inches	$2\frac{1}{2}$ feet	
E.	Height of the door	84 inches	7 feet	

- **2. A.**\* 48 inches
  - **B.** 5 feet
  - **C.** I know that  $5 \times 12$  inches = 60 inches, so I multiplied 1 foot  $\times$  5 = 5 feet to find the missing value.

TG • Grade 5 • Unit 5 • Lesson 5 • Answer Key