

Solving Area Problems with Unknown Side Lengths

Lesson 6-2

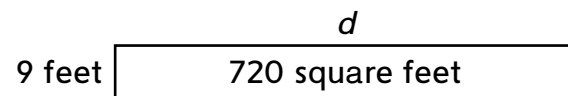
DATE

TIME



Solve.

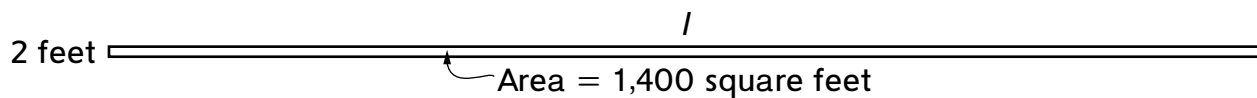
- 1 What is the length of side d ?



Equation with unknown: _____

Answer: _____ ft

- 2 How long is side l ?



Equation with unknown: _____

Answer: _____ ft

- 3 The library has rectangular tables in many sizes. Using the information given, complete the chart.

Table	Length (ft)	Width (ft)	Area (sq ft)
A	5		30
B		8	24
C	6		48
D	100		400

- 4 Leslie's new picture frame has a width of 30 centimeters and an area of 2,100 square centimeters. How long is the frame?

Equation with unknown: _____

Answer: _____ cm

Try This

- 5 The area of a rectangle is 6,300 square units. One side is 70 units. Draw a diagram and write an equation to show how to find the unknown side length.

Diagram:

Equation with unknown: _____

Answer: _____ units