

Problem-Solving Strategy:

Use Formulas

1. Nate installs 324 square feet of carpet in a house. The room is 18 feet long. What is the width of the room?

UNDERSTAND

What is the question?

What information do you know?

PLAN

Which formula can you use to find the width of the room?

SOLVE

Find the width of the room.

What shape is the room?

LOOK BACK

How can you check your answer?

Solve.

2. Store It Yourself offers a stall with 2,000 cubic feet of storage for a low price. The ceilings are 8 feet high and the width of the stall is 10 feet. What is the length of the stall?
