

Euclid's Tile and Carpet Company

Problem-Solving Board

Euclid's Tile and Carpet Company has been hired to tile a kitchen floor. The customer has selected tiles that are 9-inch square. When Euclid measures the kitchen floor, he measures dimensions of 14 feet by 17 feet. How many tiles will he need to cover the floor?

Understand the Problem (list what you know, what you need to know, organize your information, etc.)

Devise a Plan (some possible strategies are listed)

- | | |
|---|--|
| ☐ Draw a picture | ☐ Work a simpler problem |
| ☐ Look for a pattern | ☐ Work backwards |
| ☐ Guess and check | ☐ Eliminate possibilities |
| ☐ Act it out | ☐ Use a matrix |
| ☐ Make a table/list | ☐ Use Algebra |

Carry Out the Plan

Review the Results