

Fence Post Problem: You need to build one side of the fence that is 12 yards long. This fence will be built with fence posts and rails that connect one fence post to another. If the fence post is 1 yard away from the next fence post, how many fence posts will be needed for this side of the fence?

A. Use the problem solving process to solve the Fence Post Problem.

1. Understand the problem:

- a. What data or information do you know?
- b. What is not known?
- c. What are the conditions?
- d. What do you have to find?

2. Plan the solution:

- a. Use pictures, charts, graphs, systematic lists, or act out the solution to help you devise a plan to solve the problem.
- b. What assumptions did you make, if any?

3. Carry out the plan:

- a. Using your plan, show your work and your solution

of fence posts = _____

4. Review and discuss your solution:

- a. Reflect on your solution

B. How many fence posts will be needed to build a fence that is n yards long?

of fence posts = _____