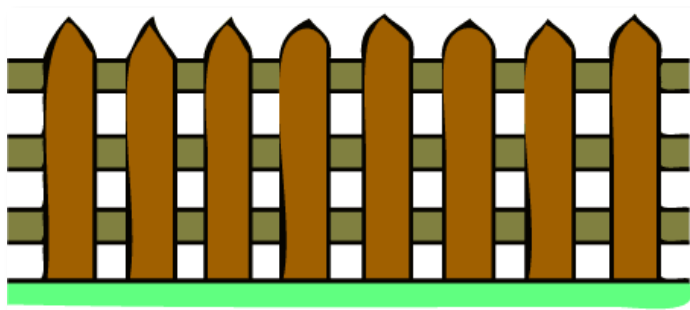


## Farmer Frank's Fence Fiasco



Farmer Frank has a herd of 115 cows. He wants to build a square or rectangular fence to keep his herd in. He has 24 fence posts. Each post is one unit long. Because he also wants to build a garden on his land as well, he wants to build a fence with the **smallest possible area** to hold all the cows in his herd. Each square unit will hold 4 cows.

1. What are all of the possible configurations (dimensions) that Farmer Frank could build his fence? Build on separate piece of paper.

