

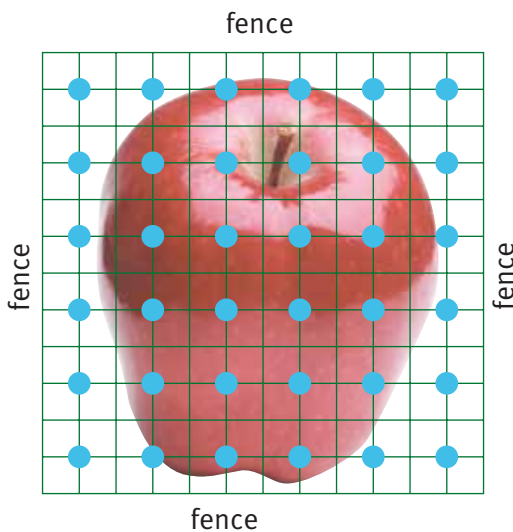
Orchard Antics

You need: rectangular dot paper, a classmate

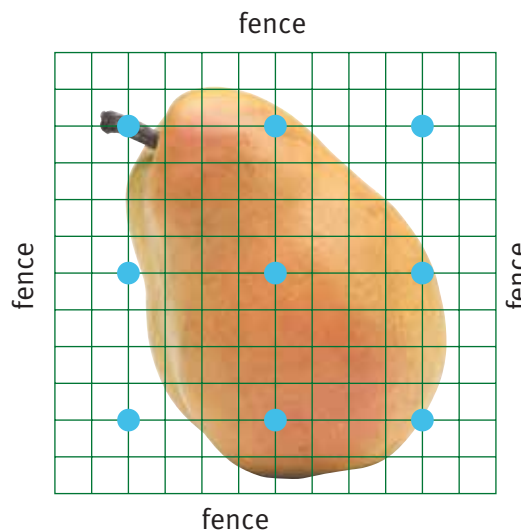
ACTIVITY

- Anna and Pete have a 12 metre by 12 metre fenced block of land that they want to use as an orchard. They have worked out possible ways of planting apple and pear trees.

If the orchard were planted only in apple trees, it would look like this:

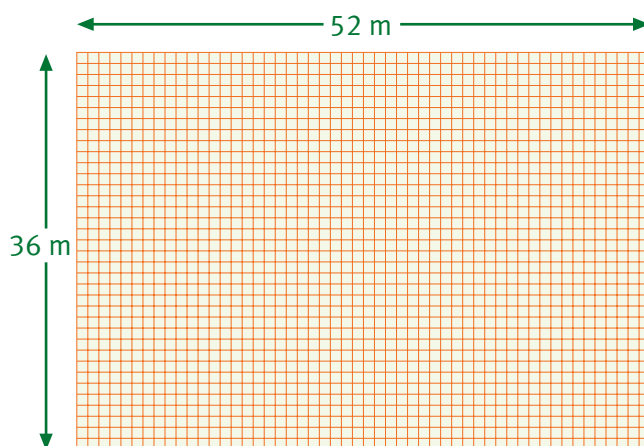


If the orchard were planted only in pear trees, it would look like this:



What are their rules for spacing out apple and pear trees?

- Anna and Pete investigate planting a 36 metre by 52 metre fenced block of land:



- How many apple trees could they plant on it?
 - How many pear trees could they plant on it?
- Suppose Anna and Pete want half of this land area in apple trees and half in pear trees. How many trees would that be altogether? Show how you worked out your answer.