

# To Market, to Market

## Activity One

Nan-kai owns a market garden.  
All his fields are rectangles (oblongs).  
He plants his kūmara in four rows.

He asks some children, "If there are six kūmara in each row, how many kūmara are there altogether?"

Cathy goes 6, 12, 18, 24.

Josh says, "I know  $6 + 6$  is 12, and another  $6 + 6 = 12$ .  $12 + 12 = 24$ ."

Sally goes 4, 8, 12, 16, 20, 24.

Lynne goes 6, 7, 8, 9, 10, 11, 12 ... all the way to 24.

Hēmi says, "4 lots of 6 is 24."

Use two different ways to solve the problems below.

Record your thinking and put a tick by the way you think is the fastest.



- In another area of the garden, Nan-kai has planted cabbages. There are four rows, and 12 cabbages are in each row. How many cabbages are there altogether?



- If there are four rows with nine broccoli in each row, how many broccoli are there altogether?



- 3 There are four rows and 20 tomato plants altogether.  
How many tomato plants are in each row?



- 4 There are four rows with 32 cauliflowers altogether.  
How many cauliflowers are in each row?



### Activity Two

Nan-kai has 20 apple trees to plant in a rectangle (oblong).  
Here are two ways he could plant them:

this way (4 x 5):



and this way (2 x 10):



There are other ways he could plant them.

Draw different ways that Nan-kai could plant the  
following numbers of apple trees in rectangles (oblongs):

- a. 15 trees
- b. 12 trees
- c. 36 trees
- d. 27 trees
- e. 32 trees

