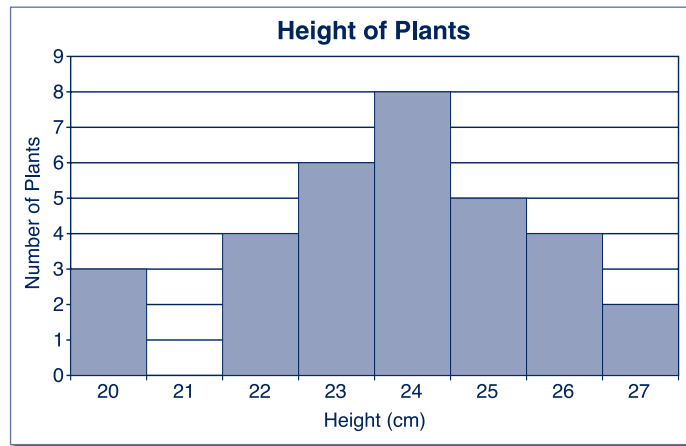


Approach: Station

Year: 4 & 8

Focus: Interpret bar graph

Resources: Bar graph in work book



Questions / instructions:

A class has made a graph of the plants they are growing.

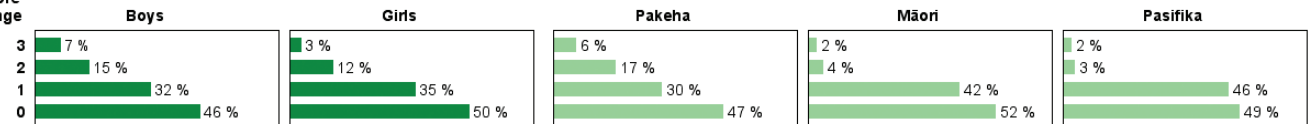
- How many plants are 20cm tall?
- What is the height of the tallest plant?
- How many plants is the class growing?

	% response 2007 ('03)	
	year 4	year 8
1. How many plants are 20cm tall?	3	48 (60) 84 (88)
2. What is the height of the tallest plant?	27cm	9 (7) 40 (30)
	27	5 (5) 6 (11)
	24cm or 24	48 (48) 46 (50)
	8	21 (30) 4 (6)
3. How many plants is the class growing?	32	14 (18) 56 (58)
<b>Total score:</b>	3	5 (6) 33 (30)
	2	13 (17) 32 (36)
	1	34 (40) 24 (25)
	0	48 (38) 12 (9)

Subgroup Analyses:

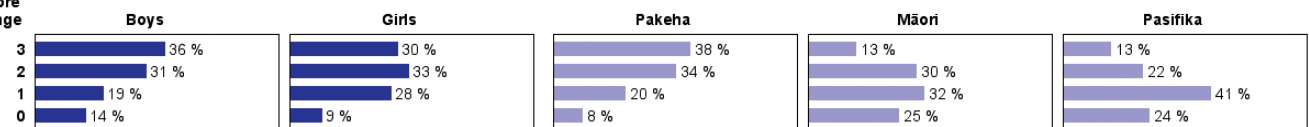
Year 4

Score Range



Year 8

Score Range



Commentary:

Year 8 students were moderately successful in reading the data from a simple graph, while year 4 students had much less success. Performance in 2003 and 2007 was similar. Boys and girls performed similarly, while at year 8 level Pakeha students did substantially better than Māori or Pasifika students.