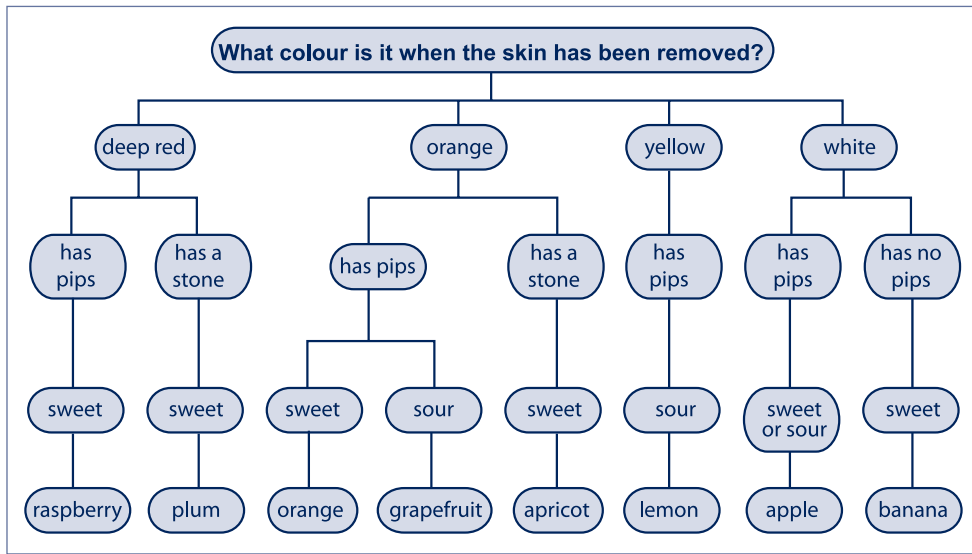


Trend Task: Fruit Chart

Approach: Station
 Focus: Interpreting a tree diagram
 Resources: Diagram in work book

Year: 4 & 8



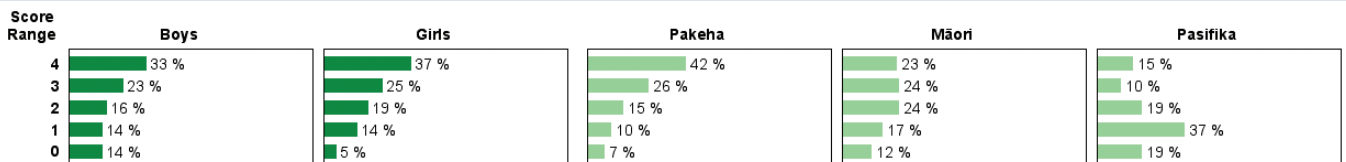
Questions / instructions:

1. What is deep red and has a stone?
2. What is sour, has pips and is orange?
3. Use the flow chart to describe an apricot.
 ["sweet", "has a stone", "orange"]
4. What fruit is described in the chart as being "sweet or sour"?

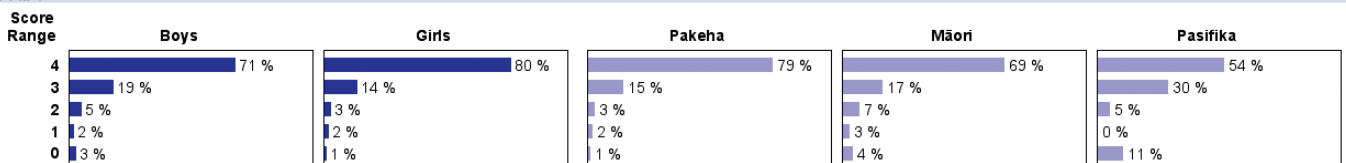
	Linked to 1995 % response 2007 ('95)	
	year 4	year 8
plum	83 (70)	96 (96)
grapefruit	63 (53)	90 (91)
all three descriptions mentioned	58 (36)	87 (76)
apple	59 (49)	87 (90)
Total score:	4 35 (19)	75 (68)
	3 24 (24)	17 (22)
	2 17 (20)	4 (6)
	1 14 (20)	2 (2)
	0 9 (17)	2 (2)

Subgroup Analyses:

Year 4



Year 8



Commentary:

This task was first administered in 1995. Many students in both year 4 and year 8 were successful in reading a tree diagram. Three quarters of the year 8 students got all of the answers correct. Boys and girls performed similarly, but year 4 Pasifika students had a much higher proportion of low scores than Māori or Pakeha students. Performance in 2007 for year 4 students was markedly higher than in 1995, but there was little difference for year 8 students.