

# Trend Task: Population Change

Approach: Station  
 Focus: Understanding place value  
 Resources: Computer program on laptop computer

Year: 4 & 8

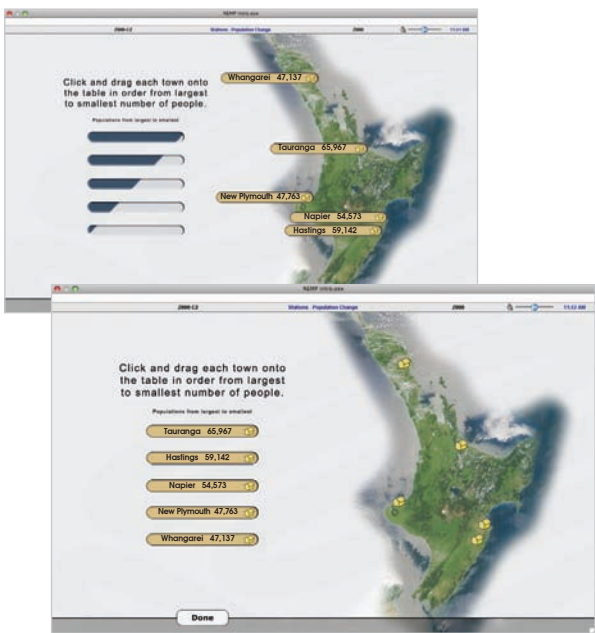
## Questions / instructions:

This activity uses the computer.

Click on the button which says **Population Change**. The computer will tell you what to do.

### VIDEO VOICEOVER:

You are going to order some numbers.  
 On the screen you will see numbers that show how many people live in some North Island towns.  
 Click and drag each town onto the table in order from the largest to the smallest number of people.



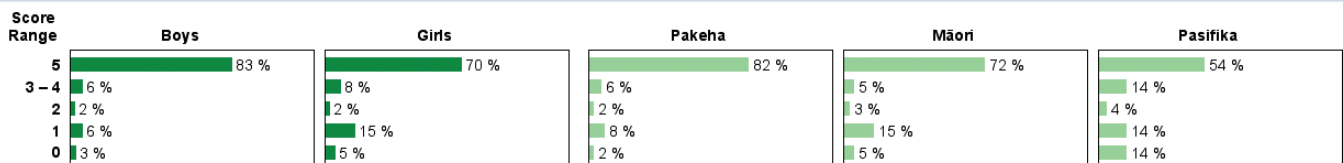
[Population figures based on 2005, as at time of task development.]

Ordered as:	Rank	Town	Population	Year 4 % (n)	Year 8 % (n)
1st	Tauranga	65,967	87 (80)	98 (95)	
2nd	Hastings	59,142	86 (69)	96 (93)	
3rd	Napier	54,573	81 (86)	96 (97)	
4th	New Plymouth	47,763	83 (69)	96 (94)	
5th	Whangarei	47,137	80 (75)	95 (94)	

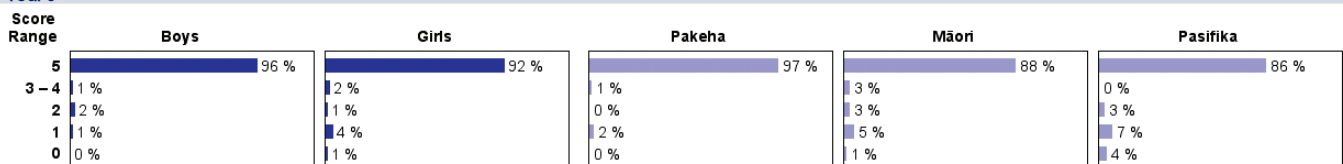
Total Score:	Year 4 % (n)	Year 8 % (n)
5	76 (64)	94 (92)
3-4	7 (12)	2 (2)
2	3 (3)	1 (1)
1	10 (17)	2 (4)
0	4 (4)	1 (1)

## Subgroup Analyses:

### Year 4



### Year 8



## Commentary:

Placing the five towns in order by size proved easy for most students. Between 2005 and 2009 the performance of year 4 students improved a little, with no meaningful change for year 8 students. Year 4 boys scored significantly higher than year 4 girls.