Trend Task: Population Change

Approach:	Station	Year:	4 & 8
Focus:	Understanding place value		
Resources:	Computer program on laptop computer		

This activity uses the computer. year 4 <th>Questions / instructions:</th> <th></th> <th></th> <th></th> <th></th> <th>6 response 2009 ('05)</th> <th></th>	Questions / instructions:					6 response 2009 ('05)	
Change. The computer will fell you what to do. Image: Change of the computer will fell you what to do. Image: Change of the computer will fell you what to do. Image: Change of the computer will fell you what to do. Image: Change of the computer will see numbers. Image: Change of the some numbers. Image: Change of the some numbers. Image: Change of the some numbers of people. Image: Change of the some number of the some numer of the some number of the some number o	This activity uses the computer.						r 8
You are going to order some numbers. On the screen you will see numbers that show how many people live in some Nothilsdand tows. Click and drag each town onto the table in order 							
On the screen you will see numbers that show how many people live in some North Island Towns.2ndHastings 59,14286 (69)963rdNapier 54,57381 (8)96Click and drag each fown onto the fabile in order from the largest to the smallest number of people.4thNew Plymouth 47,76383 (69)96Image: Strip Screen you will see number of people.5thWhangarei 47,13780 (75)95Image: Strip Screen you will see number of people.5thWhangarei 47,13780 (75)95Image: Strip Screen you will see number of people.Image: Strip Screen you will see number of people.Image: Strip Screen you will see number of people.96Image: Strip Screen you will see number of people.Image: Strip Screen you will see number of people.9696Image: Strip Screen you will see number of people.Image: Strip Screen you will see number of people.96Image: Strip Screen you will see number of people.9696Image: Strip Screen you will see num		Ordered as:	1st	Tauranga 65,9	67 87 (80) 98 (9	95)
Click and drag each town onto the table in order from the largest to the smallest number of people. 4th New Plymouth 47,763 83 (6) 96 Sth Whangarei 47,137 80 (75) 95 Image: Sth Sth Whangarei 47,137 80 (75) 95 Image: Sth Sth Image: Sth Sth Whangarei 47,137 80 (75) 95 Image: Sth Sth Image: Sth Sth Image: Sth	On the screen you will see numbers that show how			-			
For the state of the state	Click and drag each town onto the table in order						
Total Score:576 (64)943-47 (12)2	and the second sec		5th	Whangarei 47,1	37 80 (75) 95 (9	94)
[Population figures based on 2005, as at time of task development.] 3–4 7 (12) 2	Iterating apple Iterating 5,557 Iterating 5,557 Iterating 5,557 Iterating 6,5577 Iterating 6,5577 Iterating 6,5577 Iterating 6,5577 Iterating 6,5577 Iterating 6,5577						
2 3 (3) 1	[Population figures based on 2005, as at time of task development.]				-4 7 (1	2) 2 (2	2)
1 10 (17) 2							
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Subgroup	Analyses:
Year 4	

Score Range	Boys	Girls	Pakeha	Māori	Pasifika
5	83 %	70 %	82 %	72 %	54 %
3 – 4	6%	8 %	6 %	5 %	14 %
2	2 %	2 %	2 %	3 %	4 %
1	6%	15 %	8 %	15 %	14 %
0	3%	5 %	2 %	5 %	14 %
Year 8 Score	Boys	Girls	Pakeha	Māori	Pasifika
Year 8 Score			Pakeha		Pasifika
Year 8 Score Range	96 %				7
Year 8 Score Range 5 3 – 4	96 %	92 %	97 9	6 88 %	86 %
Year 8 Score Range 5 3 - 4 2	96 %	92 %	97 97 97 97 97 97 97 97 97 97 97 97 97 9	6 88 %	0%

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.