Trend Task: Travelling to School

Approach: Focus: Resources: One to one Interpret graphs; prediction



NEMP Access Task

Year: 4 & 8

1.	How many children walk to school? 11	93 (88)	99 (99)	6. Tom was not at school on that day. How		
2.	How many more children			do you think he normally gets to school?		
	come by bus than by car? 3	62 (62)	89 (91)	no way to tell/can't know	2 (1)	11 (12)
3.	This graph is for the 23rd of May.			walk	26 (25)	32 (31)
	Would the graph look the same			bus	21 (19)	17 (16)
	every day? no	90 (89)	95 (92)	car	27 (40)	17 (19)
4.	Why do you think that?			train	16 (8)	15 (11)
	Explanation:			any other response (incl. "don't know")	8 (7)	8 (11)
	understanding of variation	51 (49)	79 (72)	7. Why do you think that?		
	because sick; some children might			Explanation:		
	want to be driven if it is raining)			sound explanation for "not able to tell"	1 (1)	7 (9)
	some understanding of variation			reasonable argument for specific	- (.)	. (-)
	but unclear	26 (31)	15 (20)	choice based on graph	27 (17)	46 (41)
5.	What does the row with 'Train' tell you					
	about how these children go to school?			Total Score: 6–7	14 (10)	41 (34)
	nobody took the train that day	5 (3)	6 (5)	5	30 (28)	39 (40)
	nobody catches/uses the train	46 (62)	59 (64)	4	24 (26)	13 (20)
	no trains in area/train doesn't			3	14 (18)	4 (3)
	stop there/train too expensive, etc.	17 (16)	23 (19)	0–2	<u>18 (</u> 18)	3 (3)



Commentary:

Most students were good at direct interpretation of the graph for the day, but far fewer understood day-to-day variability in travel methods. There was no meaningful change in performance from 2005 to 2009. Year 4 Māori and Pasifika students and year 8 Pasifika students scored substantially lower than their Pakeha counterparts.