## Trend Task:

Animal Add Ups

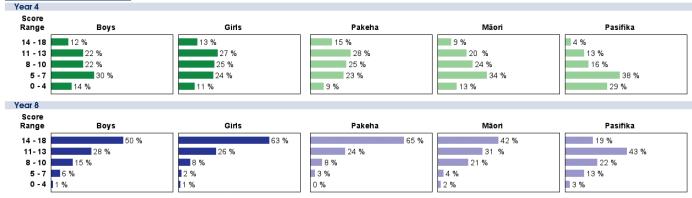
Year: 4 & 8

Approach:	Station Task	s
Focus:	Constructing a tally and bar graph	
Resources:	Animal card, ruler, table and blank grid in work book	(

Questions / instructions:		% response 2007 ('03)				% response 2007 ('03)	
1. Fill in the table using		year 4 year 8		<b>Title:</b> ("Animal Add Ups"/	year 4	year 8	
tally marks. The lions are done for you.				"How many Animals?" or similar)	47 (46)	79 (80)	
, <b>,</b>			SP .	Position of title: above	49 (47)	79 (80)	
Animal Tally	030 0		839	below	1 (0)	1 (1)	
Lion HIII I	SP 6	0		"Animals" axis:			
Elephant	834	y a	N. C.	appropriate axis label and all animal names	3 (5)	41 (41)	
Giraffe				appropriate axis label,			
Tiger			Na	not all animal names	1 (0)	2 (3)	
	AL AL		A.	all animal names, but no appropriate axis label	44 (43)	46 (48)	
			6	Number axis:			
				appropriate axis label and all animal names	1 (3)	39 (43)	
	AN M		M	appropriate axis label, not all animal names			
				all animal names,	1 (1)	5 (4)	
5 elephants:	5 elephants:			but no appropriate axis label	32 (30)	39 (38)	
number and convention correct		85 (84)	97 (95)	Bars of graph:			
number correct		3 (5)	O (3)	all bars drawn to correct height (or matching tally numbers)	42 (42)	82 (87)	
3 giraffes:				two or three bars drawn to correct height	-+ <u></u> (+ <u></u> )	02 (07)	
number and convention correct		89 (91)	97 (98)	(or matching tally numbers)	6 (7)	6 (6)	
	number correct	2 (2)	0 (1)	Placement of bars: bars separated	31 (29)	55 (53)	
1 tiger:	number correct	89 (87)	96 (98)	bars together	25 (19)	40 (41)	
2. Use the tally chart to help you draw a bar				Total score: 14–18	13 (11)	56 (59)	
graph of this information on the next page.				11–13	25 (23)	27 (28)	
Make sure your graph has:				8–10	24 (27)	12 (9)	
– a title				5–7	27 (28)	4 (4)	
<ul> <li>labels on the side and bottom axis</li> <li>bar graphs drawn to the right height.</li> </ul>				0-4	13 (11)	1 (1)	

NEMP

## Subgroup Analyses:



## Commentary:

Most year 4 and year 8 students were successful in tallying information, but many year 4 students had difficulty translating those tallies into a bar graph. Year 8 students were much more successful at that task. Students at both years tended to ignore the need for labels and titles on their graphs. Performance in 2003 and 2007 was very similar. On average, Pasifika students scored lower than Māori students who, in turn, were lower than Pakeha students.