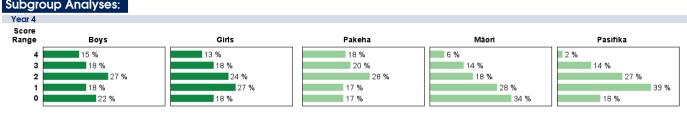
Trend Task:		NEMP	Fractious Fractions (Y4)		
Approach:	One to one	Access Task	Year: 4		
Focus:	Fractions of an amount				
Resources:	24 multilink blocks, 4 cards				

Questions / instructions:	% response 2009 ('05)		% response 2009 ('05)
Hand students 24 multilink blocks $\frac{1}{2}$	year 4		year 4
Here are 24 blocks.			
		Hand student card 3. $\begin{pmatrix} l \\ 3 \end{pmatrix}$	
		3. What is $\frac{1}{3}$ of 24? 8	36 (34)
		Tell me how you worked this out. You can use the blocks if you want to.	
		Calculation strategy: $24 \div 3 = 8$	2 (2)
		3 × 8= 24	5 (5)
		3 equal groups with blocks, count 1 group	22 (21)
1. What is $\frac{1}{2}$ of 24? 12	77 (79)	any other appropriate strategy	5 (6)
Tell me how you worked this out. You can use the blocks if you want to.		Hand student card 4. $\frac{2}{3}$	
Calculation strategy: $24 \div 2 = 12$	2 (4)	4. What is $\frac{2}{3}$ of 24? 16	16 (13)
$2 \times 12 = 24; 12 + 12 = 24$ 2 equal groups with blocks, count 1 group	22 (23)	Tell me how you worked this out. You can use the blocks if you want to.	
any other appropriate strategy	21 (30)	Calculation strategy:	
		double question 3's answer	9 (5)
Hand student card 2. $\frac{1}{4}$		$24 \div 3 = 8$ and $2 \times 8 = 16$	1 (1)
2. What is $\frac{1}{4}$ of 24? 6	53 (54)	$3 \times 8 = 24$ and $2 \times 8 = 16$	1 (2)
Tell me how you worked this out.	30 (34)	3 equal groups with blocks, count 2 groups	3 (3)
You can use the blocks if you want to.		any other appropriate strategy	2 (4)
Calculation strategy: $24 \div 4 = 6$ $4 \times 6 = 24$	2 (2)		
$4 \times 6 = 24$ 4 equal groups with blocks,	4 (2)		
count 1 group	18 (12)		
any other appropriate strategy	29 (37)	Tablores	1 4 (10)
		Total Score: 4	14 (12)
		3	18 (18)
		2	26 (27)
		1	22 (26)
		0	20 (17)



Commentary:

Very few students used division as a strategy. There was no meaningful change in performance between 2005 and 2009.