Shopping List (Y4 & Y8)

NEMP Access Task

		Year: 4 & 8
Approach:	Station	
Focus:	Money computations	
Resources:	Picture, calculator, answer booklet	

Questions / instructions:

You have an advertisement from a shop that tells you the prices of some stationery.

Here is a shopping list. Work out how much this stationery will cost. You can use a calculator if you want to.

STATIONERY SAVINGS

CRAFT PUNCHES $5.99 ea

REFILLABLE CLEAR BOOKS $2.49 ea

FIBRE TIP PENS $2.49 ea

CRAYONS 50 Pack $1.99 pk

YEAR 4:

% response 2009 ('05) **year 4**

Shopping List
1 fibre tip pen
1 refillable clear book
1 craft punch
1 packet of crayons

		% response 2009 ('05)
1. This stationery will cost:	$12.96	28 (35)
	$11.96 – $12.95 or $12.97 – $13.96	36 (31)
2. You have $20 to buy this stationery. How much change would you get?		
	$20.00 minus answer to question 1	37 (29)
	within $1.00 of $20.00 minus answer to question 1	22 (16)
Y4 Total Score:	4	9 (9)
	3	26 (19)
	2	30 (35)
	1	11 (13)
	0	24 (24)

YEAR 8:

% response 2009 ('05) **year 8**

Shopping List
2 fibre tip pens
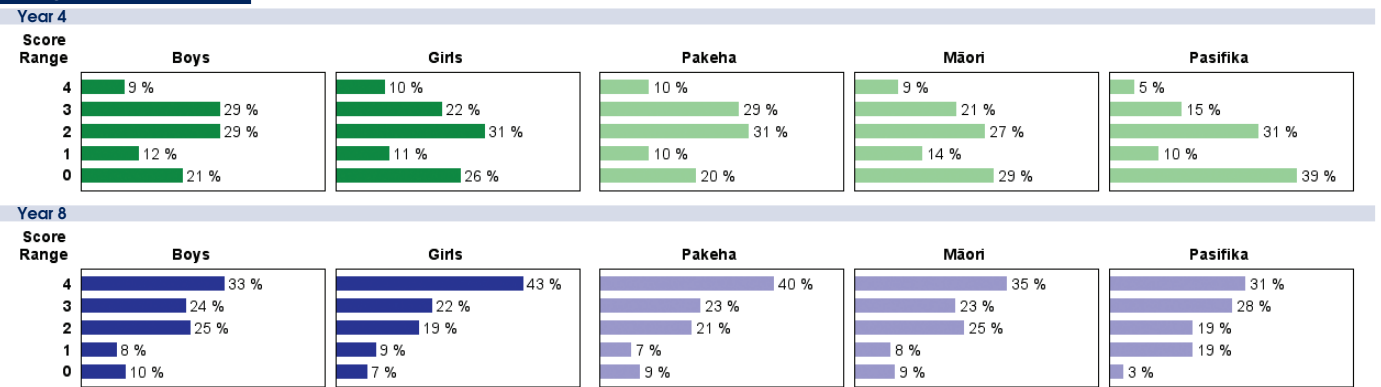1 refillable clear book
1 craft punch
2 packets of crayons

		% response 2009 ('05)
1. This stationery will cost:	$17.44	47 (54)
	$16.44 – $17.43 or $17.45 – $18.44	22 (19)
2. You have $20 to buy this stationery. How much change would you get?		
	$20.00 minus answer to question 1	70 (75)
	within $1.00 of $20.00 minus answer to question 1	18 (15)
Y8 Total Score:	4	38 (46)
	3	23 (18)
	2	22 (24)
	1	8 (6)
	0	9 (6)

Subgroup Analyses:

Year 4

Score Range	Boys	Girls	Pakeha	Māori	Pasifika
4	9 %	10 %	10 %	9 %	5 %
3	29 %	22 %	29 %	21 %	15 %
2	29 %	31 %	31 %	27 %	31 %
1	12 %	11 %	10 %	14 %	10 %
0	21 %	26 %	20 %	29 %	39 %

Year 8

Score Range	Boys	Girls	Pakeha	Māori	Pasifika
4	33 %	43 %	40 %	35 %	31 %
3	24 %	22 %	23 %	23 %	28 %
2	25 %	19 %	21 %	25 %	19 %
1	8 %	9 %	7 %	8 %	19 %
0	10 %	7 %	9 %	9 %	3 %

Commentary:

Quite a lot of year 8 students forgot to double the cost of the pens and crayons, and computational errors were reasonably common at both year levels. There was no meaningful change of performance from 2005 to 2009. Māori students performed similarly to Pakeha students, as did year 8 Pasifika students.