

Trend Task: Addition (Y4)

Approach: Independent Year: 4
 Focus: Adding without a calculator
 Resources: Answer booklet

% response
2009 ('05)
year 4

Questions / instructions:

Work out the answers to the addition questions. Show how you work out your answers.

Question	Correct Answer	Correct %	Incorrect %	Working used
1. $5 + 1 + 2 =$	8	96 (93)	0 (1)	horizontal algorithm vertical algorithm
2. $2 + 6 + 8 =$	16	88 (88)	1 (2)	horizontal algorithm vertical algorithm

% response
2009 ('05)
year 4

3. $4 + 2 + 9 + 5 + 3 =$ 23 correct
 incorrect with clear computational error
 incorrect/any other response

Working used: horizontal algorithm
vertical algorithm

4. $21 + 54 =$ 75 correct
 incorrect with clear computational error
 incorrect/any other response

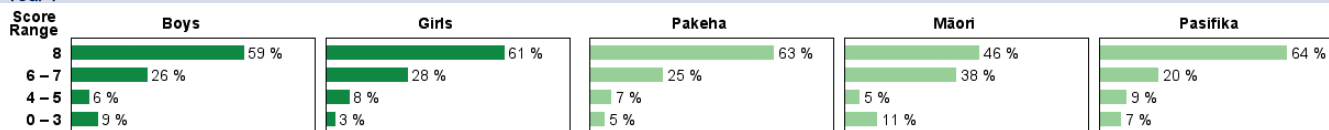
Working used: horizontal algorithm
vertical algorithm

Total Score: 8
6-7
4-5
0-3

80 (75)
2 (4)
18 (21)
24 (34)
0 (2)
75 (68)
2 (2)
23 (30)
22 (27)
2 (5)
60 (54)
27 (28)
7 (11)
6 (7)

Subgroup Analyses:

Year 4



Commentary:

Performance improved slightly from 2005 to 2009. Pasifika students performed very similarly to Pakeha students.