Task: Fractions

Approach:	Independent	Year:	4 & 8
Focus:	Calculations with fractions		
Resources:	Answer booklet		NEMP Access Task

Questions / instructions:

Write your answers to the fraction problems in the boxes.

			% responses y4	y8
1.	$\frac{3}{7} + \frac{1}{7} =$	$\boxed{\frac{4}{7}}$	17	58
2.	$\frac{1}{2} + \frac{1}{2} =$	$\boxed{1}$	16	54
		$\boxed{\frac{2}{2}}$	12	15
3.	$\frac{3}{4} + \frac{3}{4} =$	$\boxed{1\frac{1}{2}}$	2	23
		$\boxed{1\frac{2}{4}}$	2	11
		$\boxed{\frac{6}{4}}$	9	14
4.	$\frac{1}{2} + \frac{1}{4} =$	$\boxed{\frac{3}{4}}$	7	42
5.	$2\frac{1}{5} + 1\frac{1}{5} =$	$\boxed{3\frac{2}{5}}$	7	44
6.	$1 - \frac{1}{3} =$	$\boxed{\frac{2}{3}}$	7	45

YEAR 8 ONLY:

			y4	y8
7.	$1\frac{1}{4} - \frac{1}{2} =$	$\boxed{\frac{3}{4}}$	•	39
8.	$2 \times \frac{1}{2} =$	$\boxed{1}$	•	46
		$\boxed{\frac{2}{2}}$	•	7
9.	$\frac{1}{4} \times \frac{1}{2} =$	$\boxed{\frac{1}{8}}$	•	22
10.	$3 \times 2\frac{1}{3} =$	$\boxed{7}$	•	24
		$\boxed{\frac{21}{3}}$	•	2
11.	$\frac{1}{4} \div 2 =$	$\boxed{\frac{1}{8}}$	•	22
12.	$2 \div \frac{1}{2} =$	$\boxed{4}$	•	12
13.	$1\frac{1}{3} \div \frac{1}{3} =$	$\boxed{4}$	•	13

Total score:		y4	y8
16–18		•	6
13–15		•	14
10–12		•	14
7–9		2	14
4–6		6	14
1–3		24	21
0		67	17

[Note: Maximum score of 9 for year 4]

Commentary:

Year 4 students generally did not know how to solve fraction problems. There was substantial growth seen at year 8 level but the more difficult problems were challenging to the year 8 students.