

# Task: Fraction Problems

Approach: Station  
 Focus: Calculations with fractions  
 Resources: Answer booklet

Year: 4 & 8

## Questions / instructions:

1. Write your answers to the fraction problems in the boxes.

a.  $\frac{1}{2} + \frac{1}{2} =$

b.  $3 + \frac{1}{4} =$

c.  $\frac{1}{4} + \frac{2}{4} =$

d.  $1 - \frac{1}{2} =$

e.  $\frac{3}{4} - \frac{1}{4} =$

f.  $\frac{3}{4} + \frac{3}{4} =$

YEAR 8 ONLY:

g.  $2 \div \frac{1}{4} =$

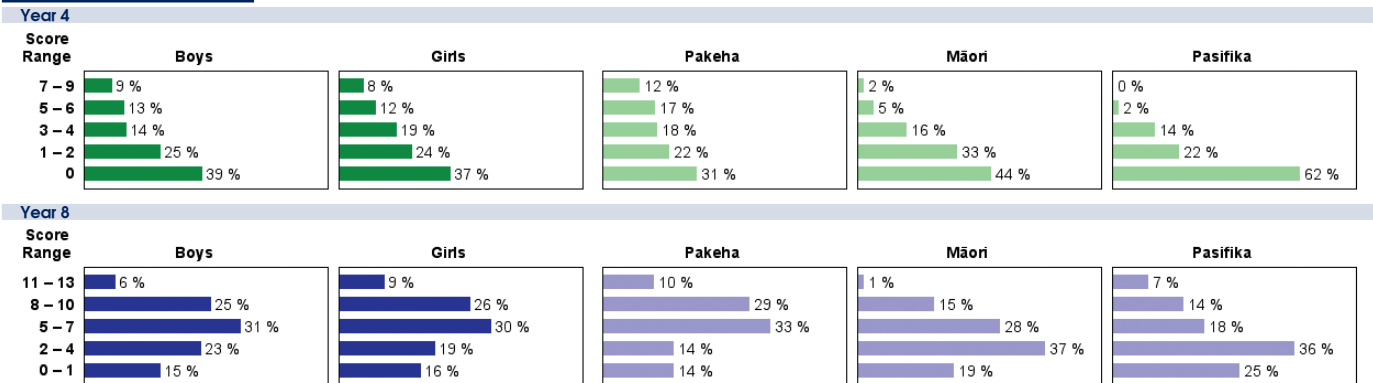
h.  $\frac{1}{4} \times \frac{1}{2} =$

i.  $1\frac{1}{3} \div \frac{1}{3} =$

j.  $\frac{1}{4} \div 2 =$

	% responses		% responses	
	y4	y8	y4	y8
a. $\frac{1}{2} + \frac{1}{2} =$ <input type="text"/>	1	42	70	
	$\frac{2}{2}$	6	5	
	X $\frac{2}{4}$	15	12	
b. $3 + \frac{1}{4} =$ <input type="text"/>	3 $\frac{1}{4}$	19	63	
c. $\frac{1}{4} + \frac{2}{4} =$ <input type="text"/>	$\frac{3}{4}$	30	70	
	X $\frac{3}{8}$	22	14	
d. $1 - \frac{1}{2} =$ <input type="text"/>	$\frac{1}{2}$	26	62	
e. $\frac{3}{4} - \frac{1}{4} =$ <input type="text"/>	$\frac{1}{2}$	7	18	
	$\frac{2}{4}$	23	48	
f. $\frac{3}{4} + \frac{3}{4} =$ <input type="text"/>	1 $\frac{1}{2}$	7	25	
	1 $\frac{2}{4}$	5	17	
	$\frac{6}{4}$	11	9	
	X $\frac{6}{8}$	26	20	
<b>Y4 Total Score:</b>				
		7-9	8	
		5-6	13	
		3-4	17	
		1-2	24	
		0	38	
<b>Y8 Total Score:</b>				
		11-13	8	
		8-10	25	
		5-7	30	
		2-4	21	
		0-1	16	

## Subgroup Analyses:



## Commentary:

All except the first component proved very difficult for year 4 students, with less than 30% succeeding with each component. The additional components for year 8 students also had low success rates.