

Approach:	Independent
Focus:	Calculations with fractions
Resources:	Te puka whakautu
Kupu:	

## Questions / instructions:

% response

Tuhia ngā whakautu ki ngā pouaka.

1.	$\frac{3}{7} + \frac{1}{7} =$	<input type="text" value="4/7"/>	33
2.	$\frac{1}{2} + \frac{1}{2} =$	<input type="text" value="1"/> <input type="text" value="2/2"/>	21 14
3.	$\frac{3}{4} + \frac{3}{4} =$	<input type="text" value="1 1/2"/> <input type="text" value="1 2/4"/> <input type="text" value="6/4"/>	7 2 14
4.	$\frac{1}{2} + \frac{1}{4} =$	<input type="text" value="3/4"/>	2
5.	$2\frac{1}{5} + 1\frac{1}{5} =$	<input type="text" value="3 2/5"/>	12
6.	$1 - \frac{1}{3} =$	<input type="text" value="2/3"/>	21
7.	$1\frac{1}{4} - \frac{1}{2} =$	<input type="text" value="3/4"/>	14
8.	$2 \times \frac{1}{2} =$	<input type="text" value="1"/> <input type="text" value="2/2"/>	19 5
9.	$\frac{1}{4} \times \frac{1}{2} =$	<input type="text" value="1/8"/>	42
10.	$3 \times 2\frac{1}{3} =$	<input type="text" value="7"/>	7
11.	$\frac{1}{4} \div 2 =$	<input type="text" value="1/8"/>	14
12.	$2 \div \frac{1}{2} =$	<input type="text" value="4"/>	9
13.	$1\frac{1}{3} \div \frac{1}{3} =$	<input type="text" value="4"/>	9

## Commentary:

The large proportion of students performing poorly in items such as  $\frac{1}{2} + \frac{1}{2}$  is of concern. Many students gave  $\frac{2}{4}$  as the response to this question. This indicates a reliance on an incorrect algorithm for operations on fractions, rather than an understanding of the underlying concepts.