

# Trend Task: Muffin Mix

Approach: Independent  
 Focus: Double and triple fractions and whole numbers  
 Resources: Answer booklet

Year: 4 & 8

## Questions / instructions:

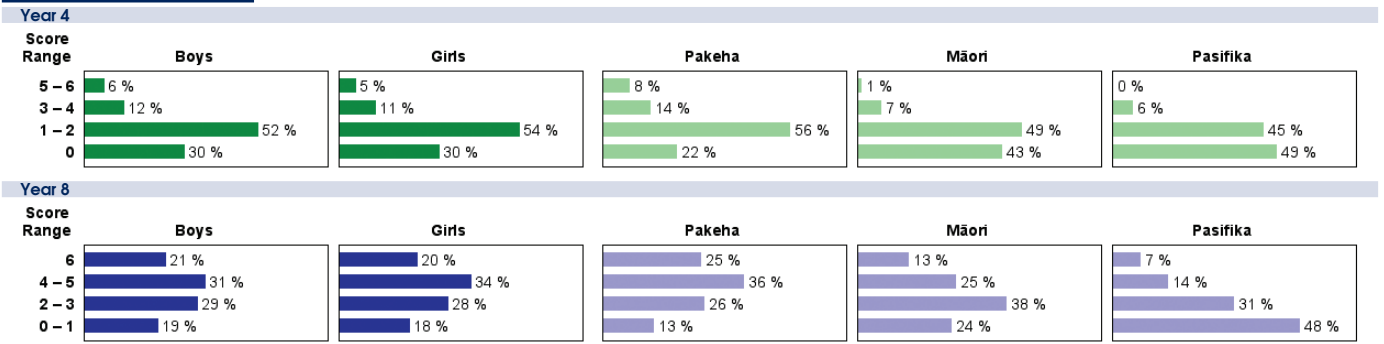
This recipe makes 10 muffins.

**For 10 Muffins:**

2 eggs	$\frac{1}{4}$ cup of sugar
$1\frac{1}{2}$ cups of self-raising flour	$\frac{2}{3}$ cup of diced apple
$\frac{3}{4}$ cup of milk	75 grams of butter

	% response 2009 ('05)		% response 2009 ('05)
<b>YEAR 4:</b>		<b>YEAR 8:</b>	
1. For each ingredient write down how much you would need to make <b>20</b> muffins.	<b>year 4</b>	1. For each ingredient write down how much you would need to make <b>30</b> muffins.	<b>year 8</b>
<u>4</u> eggs	66 (69)	<u>6</u> eggs	88 (88)
<u><math>\frac{1}{2}</math></u> cup of sugar	14 (37)	<u><math>\frac{3}{4}</math></u> cup of sugar	70 (66)
<u>3</u> cups of self-raising flour	13 (16)	<u><math>4\frac{1}{2}</math></u> cups of self-raising flour	60 (60)
<u><math>1\frac{1}{3}</math> or <math>\frac{4}{3}</math></u> cups of diced apple	11 (13)	<u>2</u> cups of diced apple	39 (31)
<u><math>1\frac{1}{2}</math> or <math>1\frac{2}{4}</math> or <math>\frac{6}{4}</math></u> cups of milk	10 (9)	<u><math>2\frac{1}{4}</math></u> cups of milk	38 (32)
<u>150</u> grams of butter	26 (22)	<u>225</u> grams of butter	60 (62)
<b>Total Score:</b>		<b>Total Score:</b>	
5-6	6 (7)	6	21 (16)
3-4	11 (17)	4-5	32 (35)
1-2	53 (48)	2-3	29 (30)
0	30 (28)	0-1	18 (19)

## Subgroup Analyses:



## Commentary:

The tasks were different for year 4 and year 8 students, so their results cannot be compared directly. There was little change in performance from 2005 to 2009 at both year levels. Pasifika students averaged much lower than Pakeha students at year 8 level.