

## Whakaraupapa Tātaitai — Calculator Ordering

**Approach:** One to one

**Focus:** Putting numbers into ascending order.

**Resources:** 6 pictures of red calculators; 6 pictures of blue calculators; recording book.



**Questions/instructions:**

**Arrange the red calculators in order A – F.**

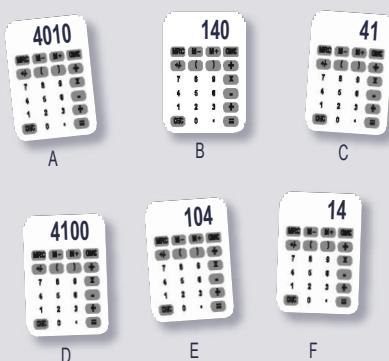
Here are 6 pictures of calculators with different answers.

**Hand the student the red picture cards.**

Whakarārangitia ngā tātaitai whero mai i te A – F.

E ono ēnei pikitia o ngā tātaitai me ngā whakautu rerekē.

Hoatu ngā pikitia whero ki te ākonga.



- Put the calculators in order starting with the smallest number and ending with the biggest number.

**Allow time.**

- Now read the numbers out loud one at a time starting with the smallest number.

1. Whakarārangitia ngā tātaitai, tīmata mai i te nama tino iti, mutu atu ki te nama tino nui.

Hoatu he wā poto hei whakaaro.

- Pānuitia ēnei nama, kotahi ia wā, tīmata mai i ngā nama iti.

	% responses	
	GED	MI
number placed correctly:	6	93
	4-5	4
	2-3	2
	0-1	0

Read correctly:	calculator:	F:	14	100	100
	C:	41	100	100	
	E:	104	100	100	
	B:	140	99	97	
	A:	4010	92	66	
	D:	4100	83	63	

**Arrange the blue calculators in order G – L.**

Now here are 6 pictures of calculators with different answers.

**Hand the student the blue picture cards.**

Tuhia ia nama e whakaaturia ana i ngā tātaitai.

Whakarārangitia ngā tātaitai kikorangi mai i te G – L. E ono ēnei pikitia o ngā tātaitai me ētahi whakautu rerekē.

Hoatu ngā pikitia kikorangi ki te ākonga.



- Now put these calculators in order starting with the smallest number and ending with the biggest number.

**Allow time.**

- Now read these numbers out loud one at a time starting with the smallest number, and I'll write them down.

3. Whakarārangitia ngā tātaitai, tīmata mai i te nama tino iti mutu atu ki te nama tino nui.

Hoatu he wā poto hei whakaaro.

- Pānuitia ēnei nama, kotahi ia wā, tīmata mai i ngā nama iti, ā, māku e tuhi.

		% responses	GED	MI
number placed correctly:		6	12	2
	4-5	9	10	
	2-3	64	76	
	0-1	15	12	
Read correctly:	calculator	G:	.05	81
		J:	.501	64
		K:	.52	65
		L:	1.251	80
		H:	1.26	77
		I:	1.5	99

**Commentary**

The results achieved by Māori students in general education (GED) settings and students in Māori immersion (MI) settings were not statistically significantly different.