



## Before and After Big Numbers

### Purpose:

You can help your child to say a number 1, 10, 100, 1000 before and after a given number in the range 0 – 1 000 000.

### What you need:

Calculator

### What to do:

Instruction: Give your child a number to enter on the calculator. For example: 725 346. Check that it has been entered correctly.

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
7	2	5	3	4	6

Question: *What digit will we need to change to find the number 100 after 735 346?*

Answer: *The 3 because it is in the hundreds column*

Instruction: *Add 100 on the calculator. Press + 100 =*

Question: *What is the number 100 after 725 346?*

Instruction: *Read the answer from the calculator. Answer = 725 446*

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Question: *What digit will we need to change to find the number 10 000 after 725 346?*

Answer: *The 2 because it is in the ten thousands column*

Instruction: *Add 10 000 on the calculator. Press + 10 000 =*

Question: *What is the number 10 000 after 725 346?*

Instruction: *Read the answer from the calculator. Answer = 735 346*

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Question: *What digit will we need to change to find the number 1000 before 725 346?*

Answer: *The 5 because it is in the thousands column*

Instruction: *Subtract 1000 on the calculator. Press - 1000 =*

Question: *What is the number 1000 before 725 346?*

Instruction: *Read the answer from the calculator. Answer = 734 346*

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Focus on one column each time you do this activity. E.g. Hundreds, ten thousands or tens etc. Keep each session to about twenty minutes.

### What to expect your child to do:

- To read the numbers correctly.
- To recognise the place value of numbers in the columns, e.g. the 2 is in the ten thousands column.

### Variation:

- Help your child read big numbers by asking them to enter a number on the calculator and read it to you. Then ask them to add or subtract a number and read you the new number.
- Practice entering and reading numbers in your home language(s).

### He Kupu Māori:

tātaitai	calculator
tango (hia)	subtract
tāpiri (hia)	add
otinga	result/answer
uara tū	place value
pānui (hia)	read
mati	digit
piki ake	increase
heke iho	decrease

### He Whakawhitinga Kōrero:

- Tuhia te tau 725 346 (whitu rau rua tekau mā rima mano, toru rau whā tekau mā ono) ki te tātaitai. *(Enter the number 725 346 to the calculator.)*
- Ina tāpiria te 10 000, ko tēhea te mati ka hurihia? *(If you add 10 000, which digit changes?)*
- Ka piki ake te 2 ki te 3, nā te mea koirā te mati kei te uara tū o te tekau mano. *(The 2 increases to a 3 because that is the digit in the 10 000 place value.)*
- Ina tangohia te 100, ko tēhea te mati ka hurihia? *(If you subtract 100, which digit changes?)*
- Ka heke iho te 3 ki te 2, nā te mea koirā te mati e tohu ana i ngā rau. *(The 3 decreases to a 2 because that is the digit showing the hundreds.)*
- Tāpirihia te 10 000 i te tātaitai. *(Add 10 000 on the calculator.)*
- Pānuihia te tau i te tātaitai. *(Read the number on the calculator.)*