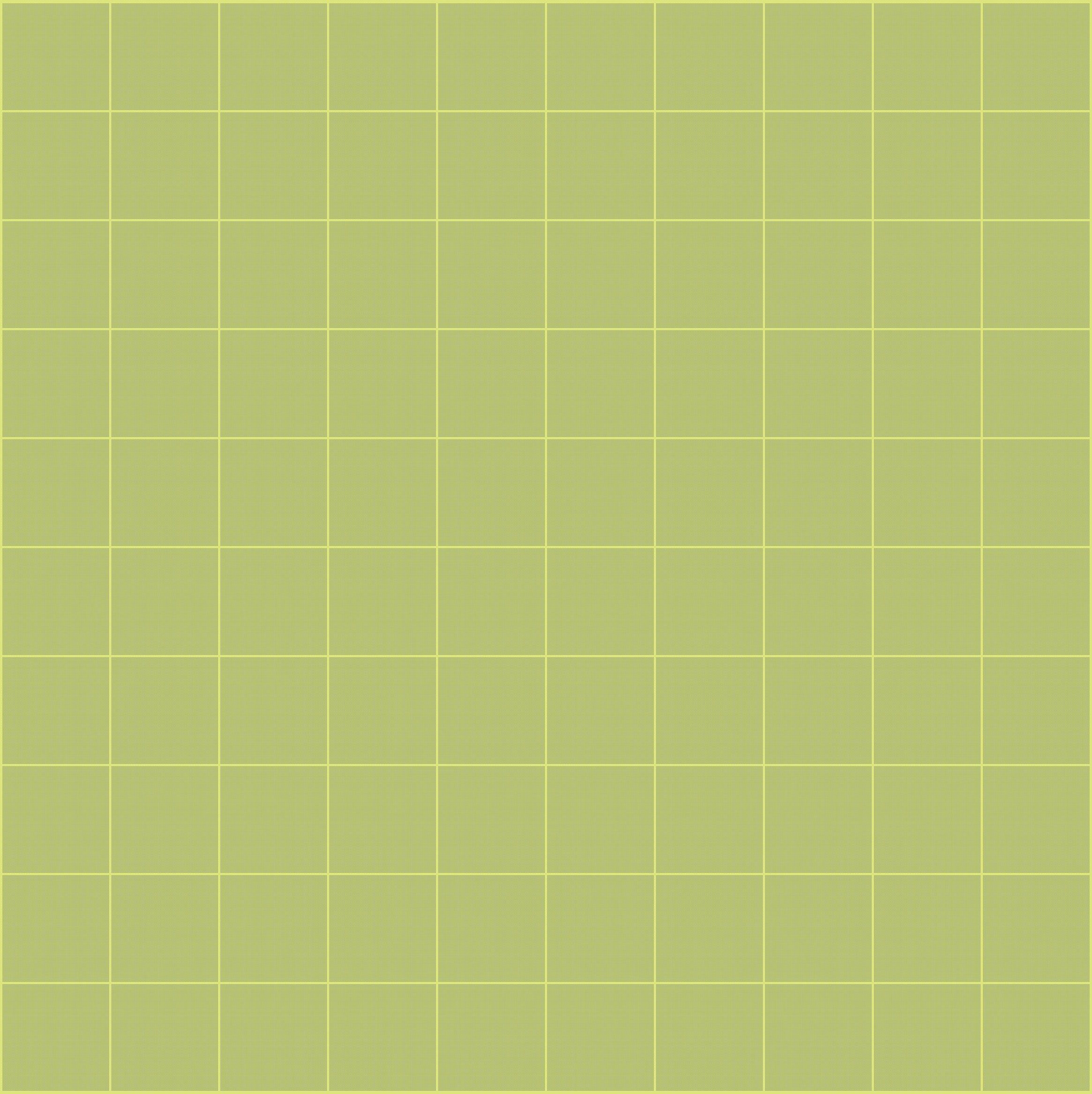
AUT_Math_Million_A2_PM.pdf 1 12/07/13 3:57 PM

ONE MILLION

Many people use "a million" in everyday speech as a stand-in for "a large number". But of course, it has a precise definition: 1000000.
This poster shows one million dots, arranged so that you can see for yourself how many there are.

Each 39mm gray square is made up of a regular array of tiny dots, 100 by 100. So each square has 10000 dots, and there are 100 such squares.
Result: 100x10000 = 1000000 dots!

A million seconds is a little over eleven and a half days.
A million millimeters is one kilometer
A million pixels is one fifth of a small camera's CCD, or a large LCD monitor.
A million cubic centimeters is one cubic meter.
A million grams is one tonne.



Points to ponder

What would happen if you could arrange the dots in a three dimensional array? This would be 100 by 100 by 100. If that was too easy, how would you arrange the dots in a four dimensional array?

What is the smallest 7 digit prime number?

If you had an extra dot, making one million plus one dots, how would you arrange them?

Auckland University of Technology (AUT) offers the Bachelor of Mathematical Sciences, Bachelor of Science and the Bachelor of Computer and Information Sciences.

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