

Taumata 2: Te Tau me te Taurangi

Activity 1: Counting and multiples 1 to 1000

These activities may be used, in pairs, or as a class activity on a range of digital devices such as an interactive whiteboard, laptop, i-pad, etc.

- [Hundreds board \(with offset\)](#)

Purpose

The purpose of these activities is to help students to recognise the whole numbers from 1 to 1000, to visualise and communicate patterns in numbers, and to develop a range of counting strategies with whole numbers.

Activities

Using the [hundreds board \(with offset\)](#), students could be asked to:

- Complete the tasks in [Level 1 activity 1](#) with the hundreds board using numbers from 1 to 1000.
- [Discover the Sieve of Eratosthenes](#)
 1. Select all the multiples of 2 except for 2 and describe the pattern. Ask the students “What do we call these numbers?” (even numbers).
 2. Select all the multiples of 3 except for 3
 3. Select all the multiples of 4. Ask, “What do you notice and why do you already have these?”
 4. Select all the multiples of 5 except for 5 and describe the pattern.
 5. Select all the multiples of 6. Ask, “What do you notice and why do you already have these?”
 6. Select all the multiples of 7 except for 7
 7. Select all the multiples of 8. Ask, “What do you notice and why do you already have these?”
 8. Select all the multiples of 9. Ask, “What do you notice and why do you already have these?”
 9. Write out all the numbers remaining on the hundreds board. These are called prime numbers and write down the number of primes are there from 1 to 100. (Answer 25)

Related resources

Te Reo Pāngarau <http://www2.nzmaths.co.nz/maori/dictionary/>

Accessed from: *Mātauranga Māori* <http://mataurangamaori.tki.org.nz/Media/Multimedia/Te-Papa-a-Rau>

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Tekau ngā Pōraka <http://www.nzmaths.co.nz/resource/tekau-ng-poraka>