

## Ordering whole numbers to 100

### Purpose

To assist students to visualise the relative position of whole numbers to 100 on the number line

### Outcomes

NS1.1: Counts, orders, reads and represents two- and three-digit numbers

**MA1-4NA**

### Framework reference

To develop students' place value understanding through counting to move students to Place value level 0

### Materials

String and clothes pegs

Paper rectangles approximately 10 cm x 15 cm

### Teaching point

The numbers at the end points on the string can vary depending on the needs of the students.

### Activity outline

Hang the string at about head height across the front of the classroom. Peg the numbers 0 and 100 at either end of the string. Have each student select a number between 0 and 100 and write it on a paper rectangle.

Select a student to place his or her number on the string to show its position relative to the end points and provide reasons for this placement. Have other students repeat the process.

Ask the class to identify any numbers that have been placed incorrectly on the string. Discuss the placement of each identified number and, if necessary, have a student relocate these numbers.

Point to two adjacent numbers on the string and ask the students to suggest numbers which could be placed between them.

Hang a blank rectangle on the string and ask the students to suggest and justify the number that it could represent.

Select a number which is not hanging on the string and ask the students to identify and justify where it should be placed.

Select a student to write a number between 0 and 100 which is not already hanging on the string. Have the student place the number on the string so that the class cannot see the number. Discuss with the class what the number could be.

Discuss the placement of numbers outside the range used in the activity.

