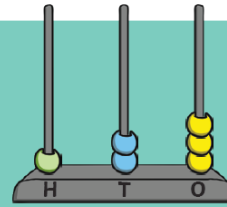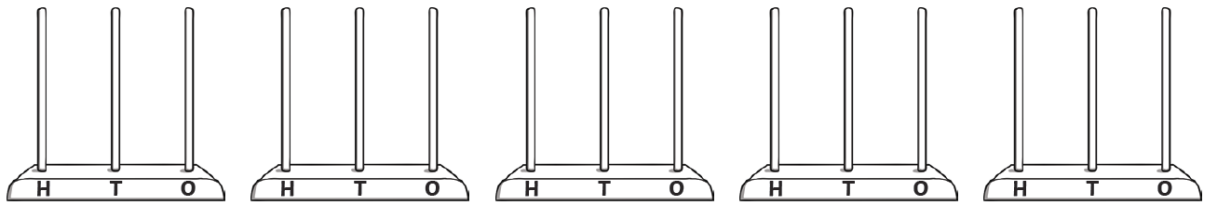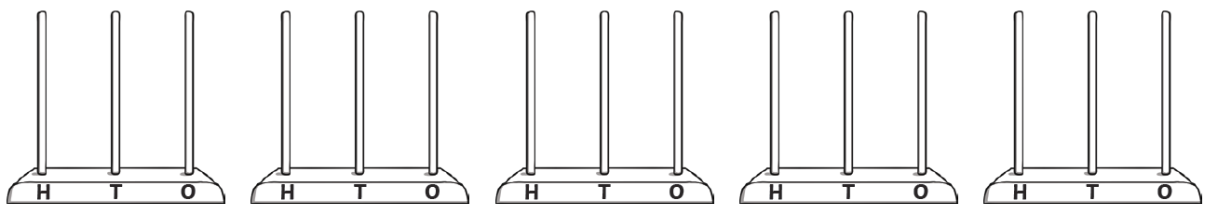# Abacus Investigation

Here is an abacus showing hundreds, tens and ones.

6 beads are used to make the number **123**.

How many **different** 3-digit numbers can be made with **3** beads? Use the Abacus Working-Out sheets to help you, and write your numbers in the spaces below.

This can be done practically with lego, pasta or whatever you can get your hands on! You only need 3 of something.

Record each number you make in your book – how many possibilities can be made?
How do you know you have found them all?
Write your reasoning in your book.