

## Answer on Question #71148 – Math – Functional Analysis

### Question

1. Which of the following sets are countable or uncountable:
  - (i) set of natural numbers;
  - (ii) set of whole numbers;
  - (iii) set of positive integers.

### Solution

The set of positive integers is identical to natural numbers. These two sets are countable. We can say: 1, 2, 3,..., infinity. The set of whole numbers is the natural numbers with zero. And it also countable: 0, 1, 2, 3,..., infinity.

### Answer:

all sets are countable.