**Number language**

**Natural numbers:** Natural numbers are those numbers that come natural to us. When a child goes to school for the first time, it will learn to count ‘one, two, three, four, ….’. So natural numbers are all positive whole numbers including zero.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, ……..

**Integers:** Integers also include negative numbers. So integers are all negative and positive whole numbers.

…., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, …..

**Rational numbers:** A rational number can always be written as a fraction (whose denominator is not zero). All terminating and recurring decimals therefore are also rational numbers.

0.5 = $\frac{1}{2}$ , 2.51 = $\frac{251}{100}$ , 9 = $\frac{9}{1}$ , 0.3333333333333 = $\frac{1}{3}$

**Irrational numbers:** An irrational number cannot be written as a fraction. Decimals do not end and show no pattern.

 $\sqrt{2, }\sqrt{3}$ , π

**Real numbers:** Rational numbers + Irrational numbers