Definition: Set of Natural Numbers $\mathbb{N}$

The set of natural numbers $\mathbb{N}$ is the smallest set such that:

- $0 \in \mathbb{N}$

- $n \in \mathbb{N} \to n + 1 \in \mathbb{N}$

These last two points also fit the set of Integers, but since $\mathbb{N}$ is the smallest set that satisfies these properties then it is uniquely defined.