Not so Discrete Math

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0.1 Introduction to Sets

In discrete math we work with some group of 'things,' a thing or something we fancily call an **object**. A group or categorization of objects is called a set.

Theorem 0.1: a Set

Is a collection of objects.

For Example:

- S = The set of all students in a classroom.
- A = The set of all vowels in the English alphabet.
- \mathbb{Z} = The set of all integers.

Objects in a set are called elements.

Theorem 0.2: an Element

Are the objects in a set.