Math Tips: Sets and Venn Diagrams

Key Terms:

- **Set:** Any group of objects that share a certain attribute can be called a Set. Some examples:
  - Kids can be grouped into sets by age: Kindergarteners, 1st Graders, 2nd Graders.
  - Numbers can also be grouped into sets – for example, by whether they are even or odd, or whether they are divisible by 5.

- **Venn Diagram:** A diagram that uses circles to show how two or more sets overlap.
  - In the example below from Jumping through Hoops, we see how animals can be placed into sets according to whether they are **Furry animals** and whether they make **Great pets**.
  - Animals are placed on the diagram according to their traits: an animal might belong in only one circle, in both circles, or in neither circle.

Cool Fact: A Venn Diagram can have **any number of circles** – and an object can be part of one set, all the sets – or **no sets at all**!