

Venn Diagram Challenge:

- 1) Create a Venn Diagram question where you give clues about what the Venn diagram will look like (see the example below). Write all your clues and make sure you can solve it.
- 2) Write your name, describe the situation, and write your clues (not the solution) and send it to me as a pdf in Teams chat.

This must be done by the end of the day on Thursday (and your questions will be marked).

Example

Name: Dr. James

Situation: Dr. James loves hippos and has an extensive collection. In fact, she has 30 hippos in her collection. Some of the hippos are stuffed animals, some of the hippos are purple (her favorite) and some of the hippos are tiny. Dr. James was spending some time sorting her hippo collection using a Venn diagram and has challenged her students to determine the number of hippos in each section of the Venn diagram. Below are the clues Dr. James provided.

Clues:

- There are a total of 30 hippos in the collection
- 13 hippos are purple
- 11 hippos are stuffed animals
- 3 hippos are stuffed animals and purple and tiny
- There are 8 hippos that are stuffed animals and purple
- 4 hippos are not stuffed animals or purple or tiny
- 5 hippos are purple and tiny
- 24 hippos are purple or tiny