NAME: _____

WHAT'S THE VIBE?

How to Calculate the Mode

Zoo Keeper Anne Knapp is responsible for deciding how big an enclosure should be for a given animal. At the Franklin Park Zoo in Boston, where Knapp works, enclosures are grouped together into habitats to help visitors find their way around the park and understand which animals live near each other in the wild.

Explore:

Animals with hooves are called *ungulates*. Many species at the Franklin Park Zoo are ungulates, but they are spread across many habitats. Here is a table of all of the habitats with ungulates and the total number of species they have, ungulate or otherwise.

Habitat	Number of Species
Children's Zoo	14
Franklin Farm	8
Giraffe Savannah	3
Kalahari Kingdom	7
Serengeti Crossing	3
Tropical Forest	33



List all of the habitats with three species.

- How many are there?

List all of the habitats with eight species.

- How many are there?

Which is the most common number of species to have in a habitat with hoofed animals at the Zoo? (We call that number the **mode** of this data set.)

Apply:

- Staticians use a value called mode to find the most frequent number in a data set.
- You calculate the mode by counting the number of times each value appears in a data set and choosing the one that appears the most often.
- Now it's time to collect some data for ourselves!
- Franklin Park Zoo is actually part of a bigger organization called Zoo New England. The other half of Zoo New England is Stone Zoo, which has habitats with different species in them, just like Zoo New England!
- Visit this link to see all of the habitats at the Stone Zoo! https://www.zoonewengland.org/stone-zoo/habitats/
- Count how many species each habitat has and make a table.

Stove Zoo Habitat's Name	Number of Animal Species

Like many data sets, this one has more than one mode!

- What are the modes?

- What does that tell you about how many species habitats at the Stone Zoo generally have?

