| Unit: Data About Us   Lesson # 1
Essential Questions:
• What is the four-step data process?
• What do different measures of central tendency tell us about a data set?
• How does the shape or size of the data impact different statistics about it? | Name: _____
Date: _____
Subject:_____
HR:_____ |

Objective/ AIM:

- I will be able to _explain a statistic and distinguish between categorical and a numberical information

Warm Up:

Answer the following questions:

1. What is your favorite color? _____
2. How many brothers do you have? _____
3. How many letters are in your first name? _____
4. What is your favorite school subject? _____

Notes/Key Points:

- We collect data in order to answer questions we have about the world.

- Categorical data questions produce data that is answered with _____

- Numerical data questions produce data that is answered with _____

- Categorical and numerical data differ in the way that they are _____

    _____

Examples:

The chart below shows examples of questions that produce categorical or numerical data

Categorical	Numerical
What is your favorite type of music?	How many shoes do you have?
Who is your favorite actor?	How many inches tall are you?
What is your favorite dessert?	How many miles can you run?

Guided Practice:

Look at the questions below – identify the questions as categorical or numerical by circling your answer for each question.

1. How many people have skateboards in our class?   Categorical   Numerical

2. What is your favorite type of book?   Categorical   Numerical

3. What is your favorite season?   Categorical   Numerical

4. How many points did you earn for prep check?   Categorical   Numerical

5. How many states have you visited?   Categorical   Numerical

6. Which countries have you been to?   Categorical   Numerical

7. What was your score on your last math test?   Categorical   Numerical

8. What was your grade on your last math test?   Categorical   Numerical

Write your own **categorical** question:	Write your own **numerical** question: