**Introduction**

In Mathematics, we are learning how to collect, organize, and analyze data. **Data** *is information that has been collected by observation, questioning, or measurement*. Sometimes the data we collect is numerical. For example, each number below represents how many apples a student picked during their visit to a farm:

5, 6, 5, 8, 5, 3, 9, 5, 8, 6, 8

Let’s find the **mode** for this set of data. The mode is the number which appears most often in a set of data.

First, let’s make a list of all the *different* numbers that appear in the set of data.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **5** | **6** | **8** | **3** | **9** |

Now, let’s count the number of times each number appears in the set of data. Put a checkmark above the number for every time it appears.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| √ |  |  |  |  |
| √ |  | √ |  |  |
| √ | √ | √ |  |  |
| √ | √ | √ | √ | √ |
| **5** | **6** | **8** | **3** | **9** |

The number 5 appears four times in this set of data. That is more times than any other number in the set of data. Therefore, **the mode for this set of data is 5**.

**Activity**

Now, you try! Find the mode for each set of data listed below.

**Question #1:** What is the mode?

11, 13, 20, 16, 13, 20, 7, 10, 13, 11, 18

**Question #2:** What is the mode?

1, 1, 1, 4, 9, 3, 4, 2, 4, 4, 7, 4

**Question #3:** What is the mode?

34, 14, 27, 16, 8, 5, 21, 19, 16

**Conclusion**

Students need to login to their **Mathletics** account and complete the assigned activity, *Mode*.

Please note, the following pictograph activities have also been assigned *Making Picture Graphs: With Scale* and *Pictographs*.