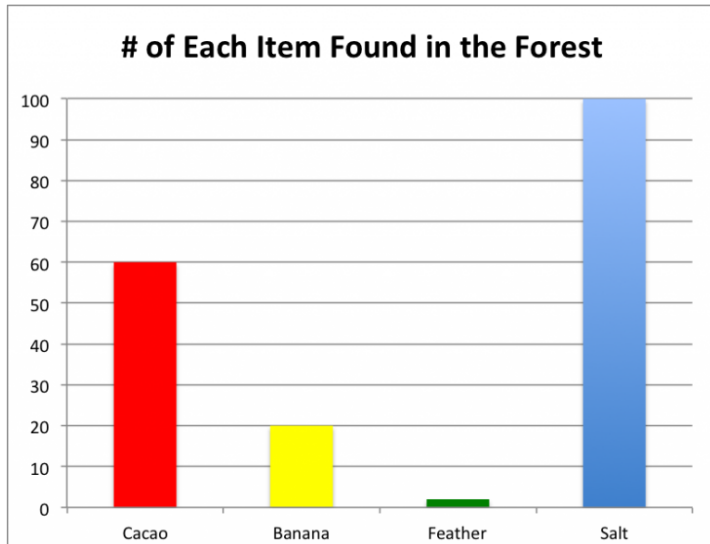# Graph activity: A note to the teacher

*Business card stock may not be the best $10 I have spent as a teacher, but it's high on the list. I don't know what it is about cards that makes something seem like a game but I have had the greatest success with activities like this one.*



First, print out sets of cards. You can decide whether you want to do this as a group activity or an individual one. I've done it with students in groups of two, three and four, as well as working on their own.

Second, print out the graphs page or show it using a smartboard or projector.

Each student / group is required to complete the cards using the graphs provided.

Several cards have open-ended questions, such as "What is one conclusion you can make about this graph?"
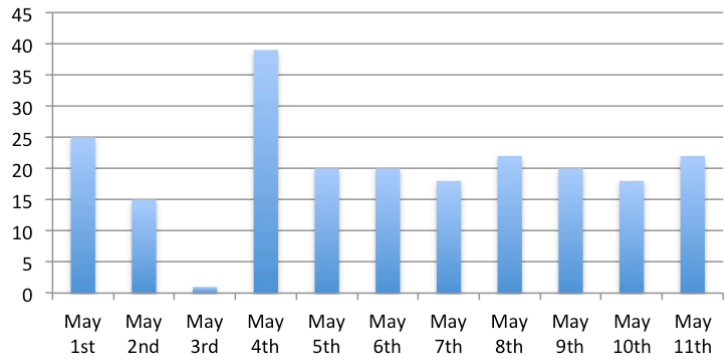
After the students have completed the assignment, which should take around 10-15 minutes, have them give their answers to these questions. Discuss the different questions and answers that can come from the same set of data.

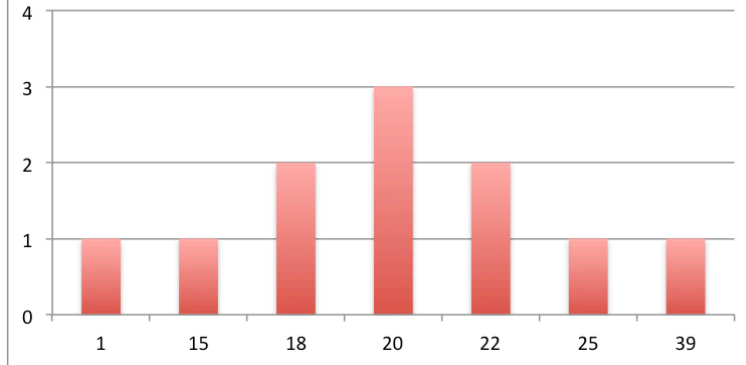Standards addressed in this exercise:

**Statistics & Probability:** Summarize numerical data sets in relation to their context

**Ratios & Proportional Relationships**: Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.
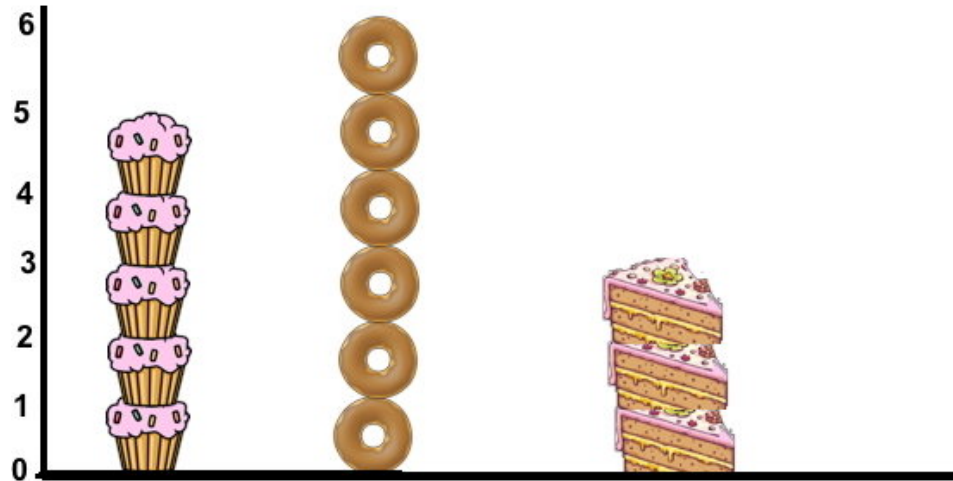
## Number of Bananas

| May 1st | May 2nd | May 3rd | May 4th | May 5th | May 6th | May 7th | May 8th | May 9th | May 10th | May 11th |
|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 15 | 1 | 39 | 20 | 20 | 18 | 22 | 20 | 18 | 22 |

## Bananas Found

| 1 | 15 | 18 | 20 | 22 | 25 | 39 |
|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 2 | 1 | 1 |

## # of Each Item Found in the Forest

| Cacao | Banana | Feather | Salt |
|---|---|---|---|
| 60 | 20 | 2 | 100 |
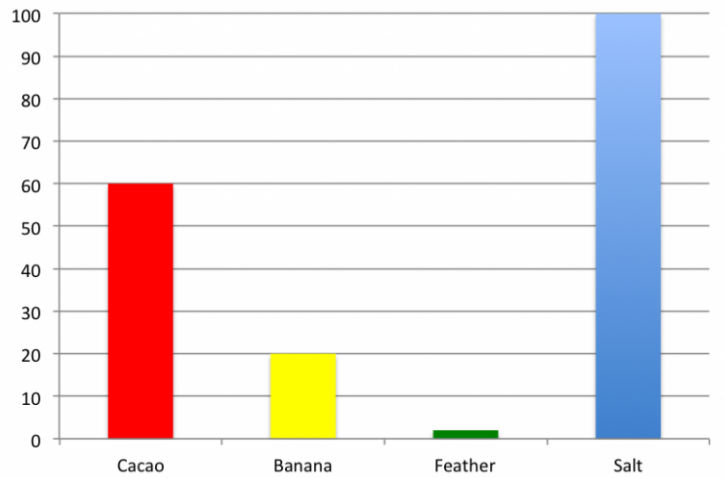
Graph : Bananas Found

The MODE for number of bananas found was

_____.

Graph : Bananas Found

One conclusion you can make about this graph is _____

_____.

Graph: Number of Bananas

The RANGE for number of bananas found on any one day was

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Graph: Number of Bananas

One conclusion you can make about this graph is

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

_____.

Graph: Food

The ratio of cake to doughnuts sold was

_ _ _ _ _  to  _ _ _ _ .

Graph: Food

How many more people bought doughnuts than cake?

_ _ _ _ _ _ _ _

Graph: Items in Forest

Cacao beans are found

_ _ _ _ _ _  times as often as bananas.

Graph: Items in Forest

One conclusion you can make about this graph

is _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _.

BONUS QUESTION!

Compare two graphs.

Graph 1 _ _ _ _ _ _ _ _ _ _ _

Graph 2 _ _ _ _ _ _ _ _ _ _ _

We can see this information from graph 1 _ _ _ _ _ _ _ _ _ _ _ _ _

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

but this information from

graph 2_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _