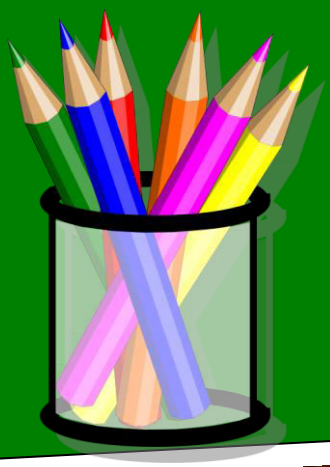
Statistics Foldable



Thank you for purchasing my foldable.
Please don't forget to rate me.

THANK YOU!!!

THANK YOU!!!

Check out the rest of my TPT store at

www.teacherspayteachers.com/Store/7th-Grade-Common-Core

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Graphics from www.mycutegraphics.com

Additional Notes

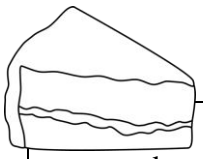
I have included step by step instructions on how to construct the foldable. I have learned that it makes it easier for students to follow directions when they can see the directions. Hence, I project the instructions on a Smart Board / White Board and go over it with them.

At the very end of the file, I have included a blank template for the foldable. I decided to include this template so that you can create your own problem. I used small numbers in my problem and I thought it might be nice for you to be able to create your own with bigger numbers. Again, this is just added in case you want to use a different problem. You could also let students come up with their problem but that is up to you.

Please let me know if you have any questions! You can email me at jen_marie_18@hotmail.com. Thanks again for purchasing my activity! I hope your students enjoy it as much as mine did!

Mrs. Singo

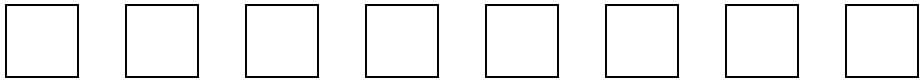
Statistics



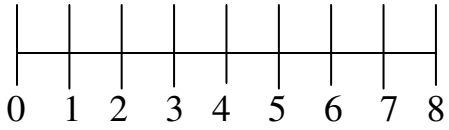
Eight people were surveyed. They were asked how many desserts they eat on a weekly basis. The results were:

3 4 8 2 1 0 5 1

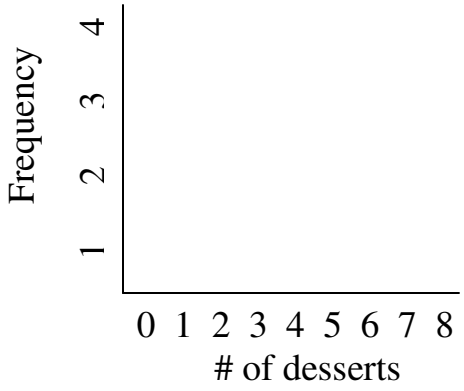
Ordered Data:



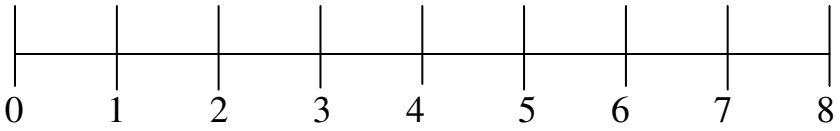
Construct a dot plot:



Construct a histogram:



Construct a box plot:



Give the definition for the following:

- Minimum
- Maximum
- Median
- Lower Quartile
- Upper Quartile

What is definition of **mode**?

What is the **mode** from the survey?

What is definition of **mean**?

What is the **mean** from the survey?

What is the definition of **median**?

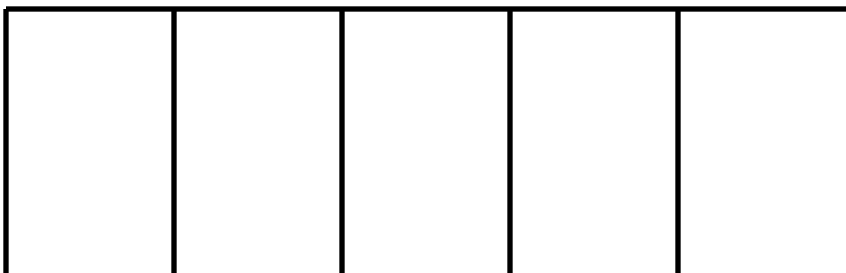
What is the **median** from the survey?

What is the definition of **range**?

What is the **range** from the survey?

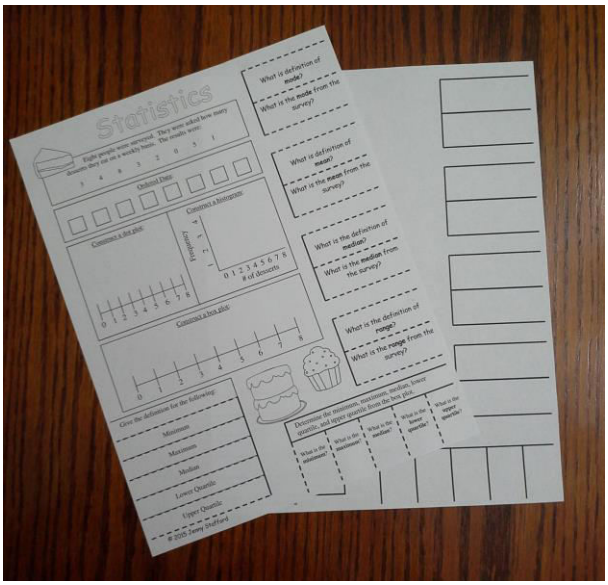
Determine the minimum, maximum, median, lower quartile, and upper quartile from the box plot.

What is the **minimum**?	What is the **maximum**?	What is the **median**?	What is the **lower quartile**?	What is the **upper quartile**?

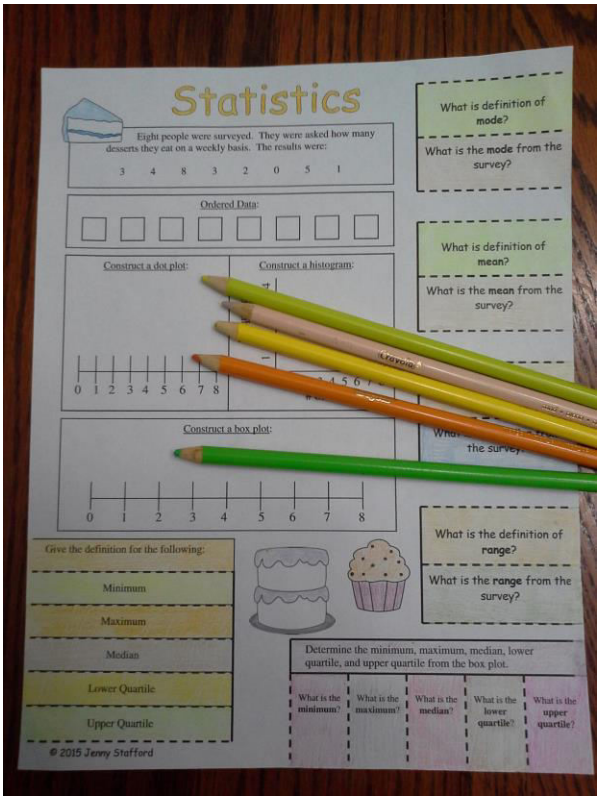


Step by Step Instructions

Step 1: Print the activity. Each student needs two pages.

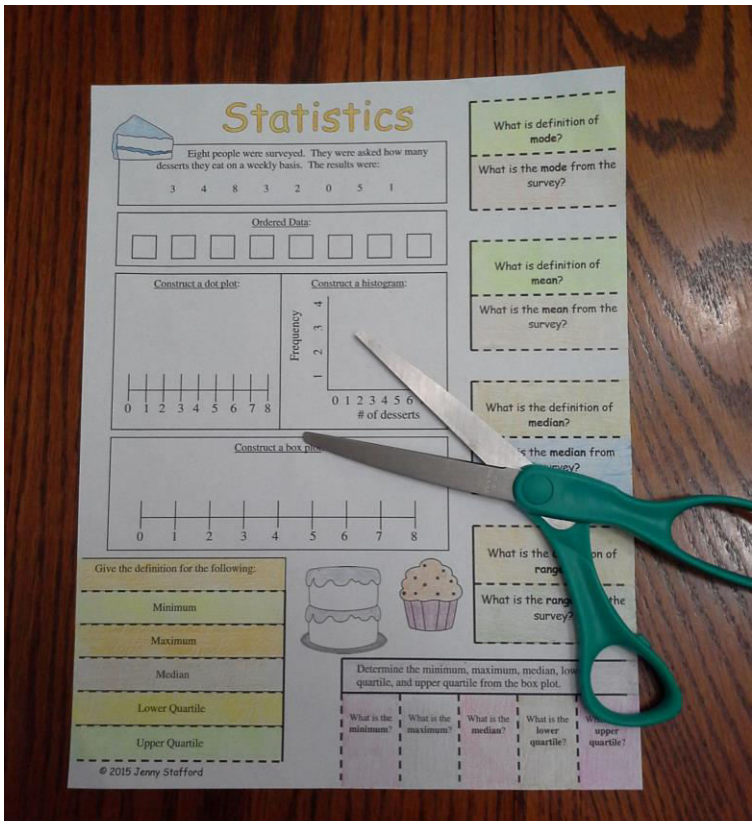


Step 2: Have students color the picture (first page only).

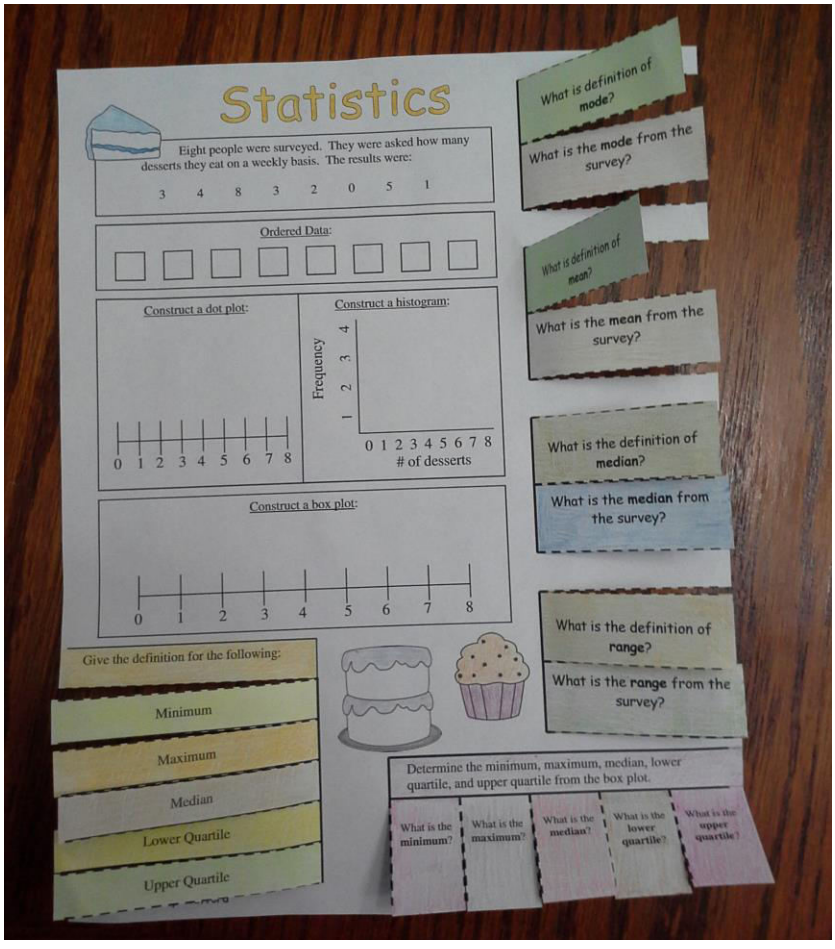


<u>Step 3</u>: Students will take the first page and cut ONLY on the dashed lines.

If you need additional help, see the picture below.

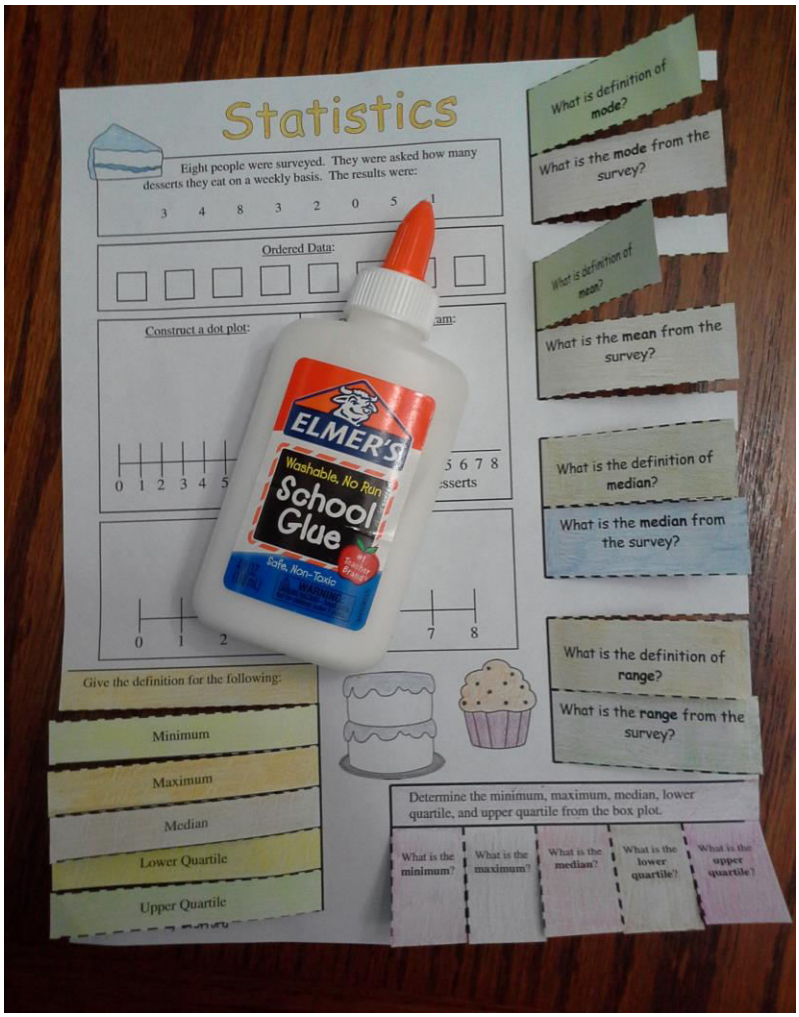


Your paper should look like the one to the right after you are done cutting on the dashed lines.



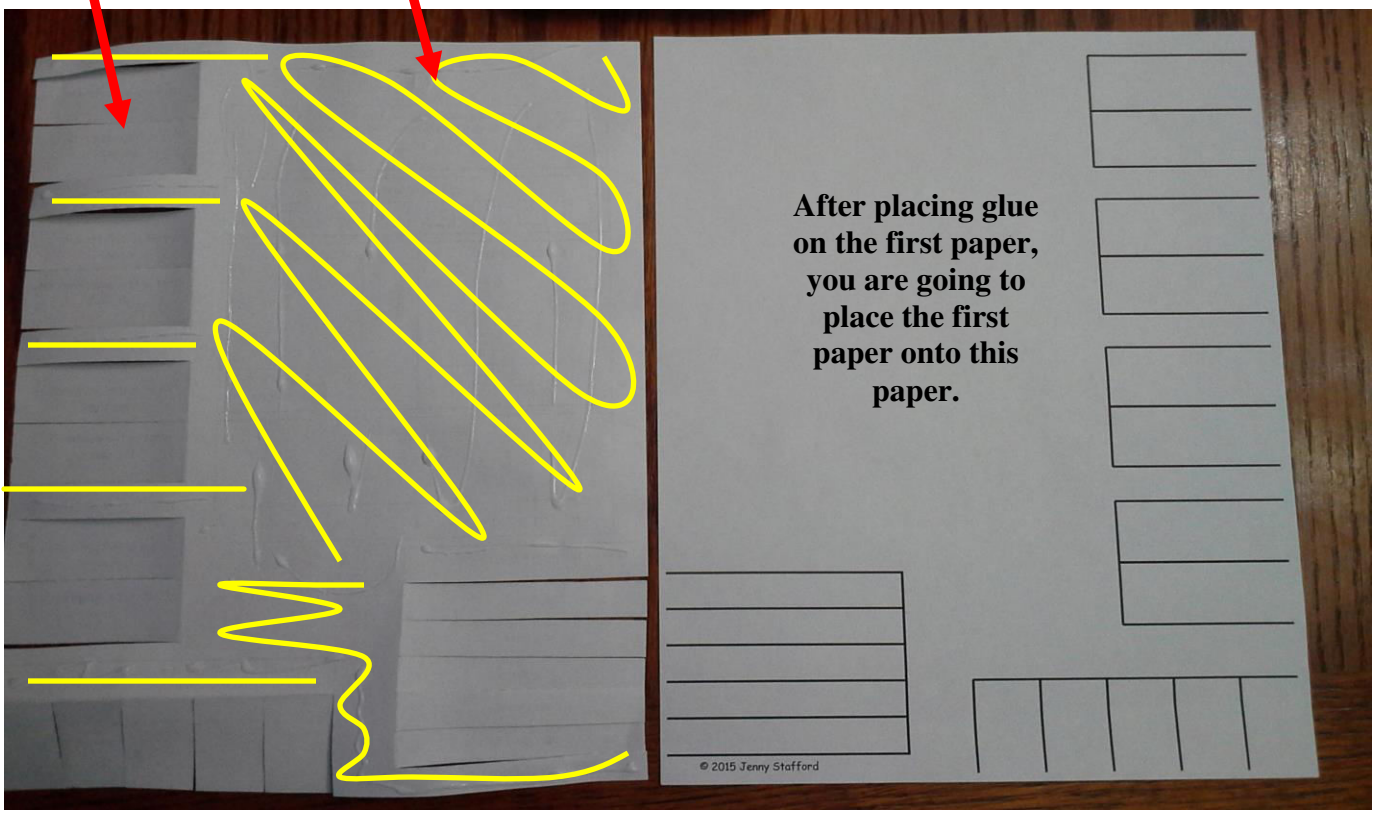
Step 4: You are going to glue the first page to the second page. Yet, you need to be very careful to NOT apply glue on the folds.

Please see picture below to see where to apply glue.

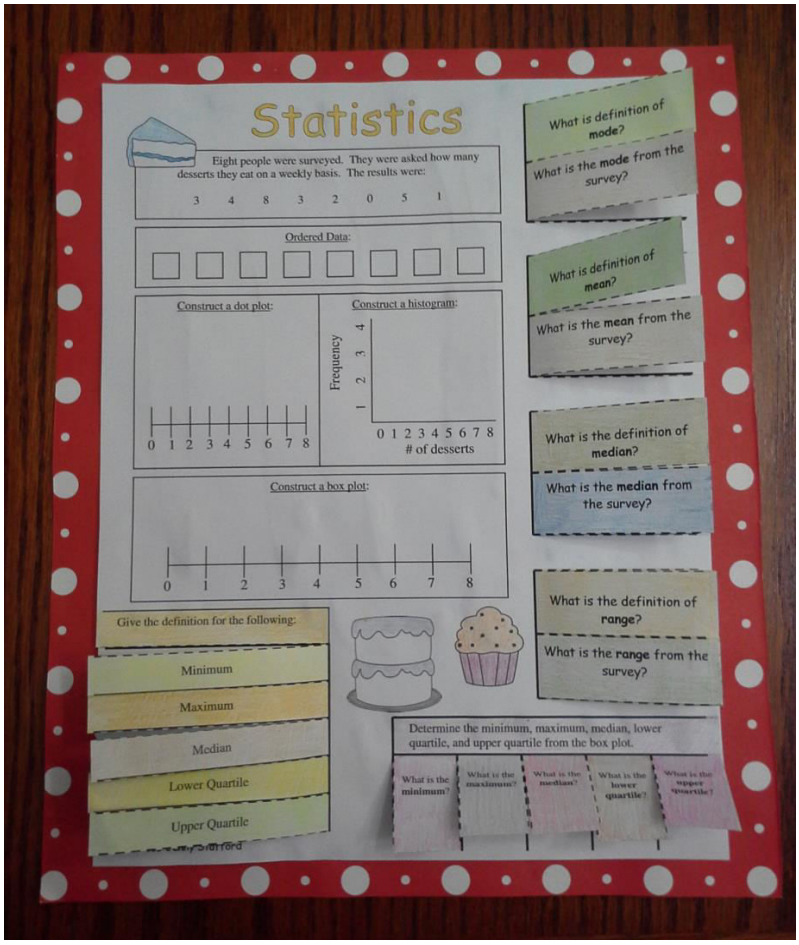


Do not apply glue on folds!

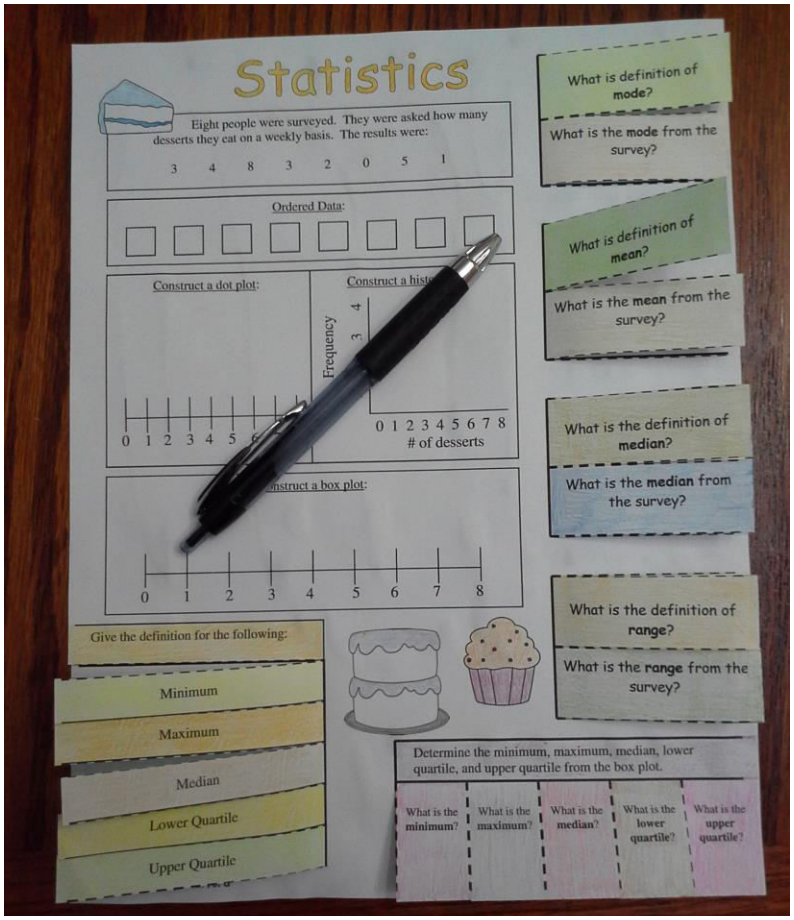
Apply glue everywhere colored yellow.



Step 5: Now, this step is optional (you can skip it). You can have students glue the back into their interactive notebook or you can have students glue the back to construction paper.

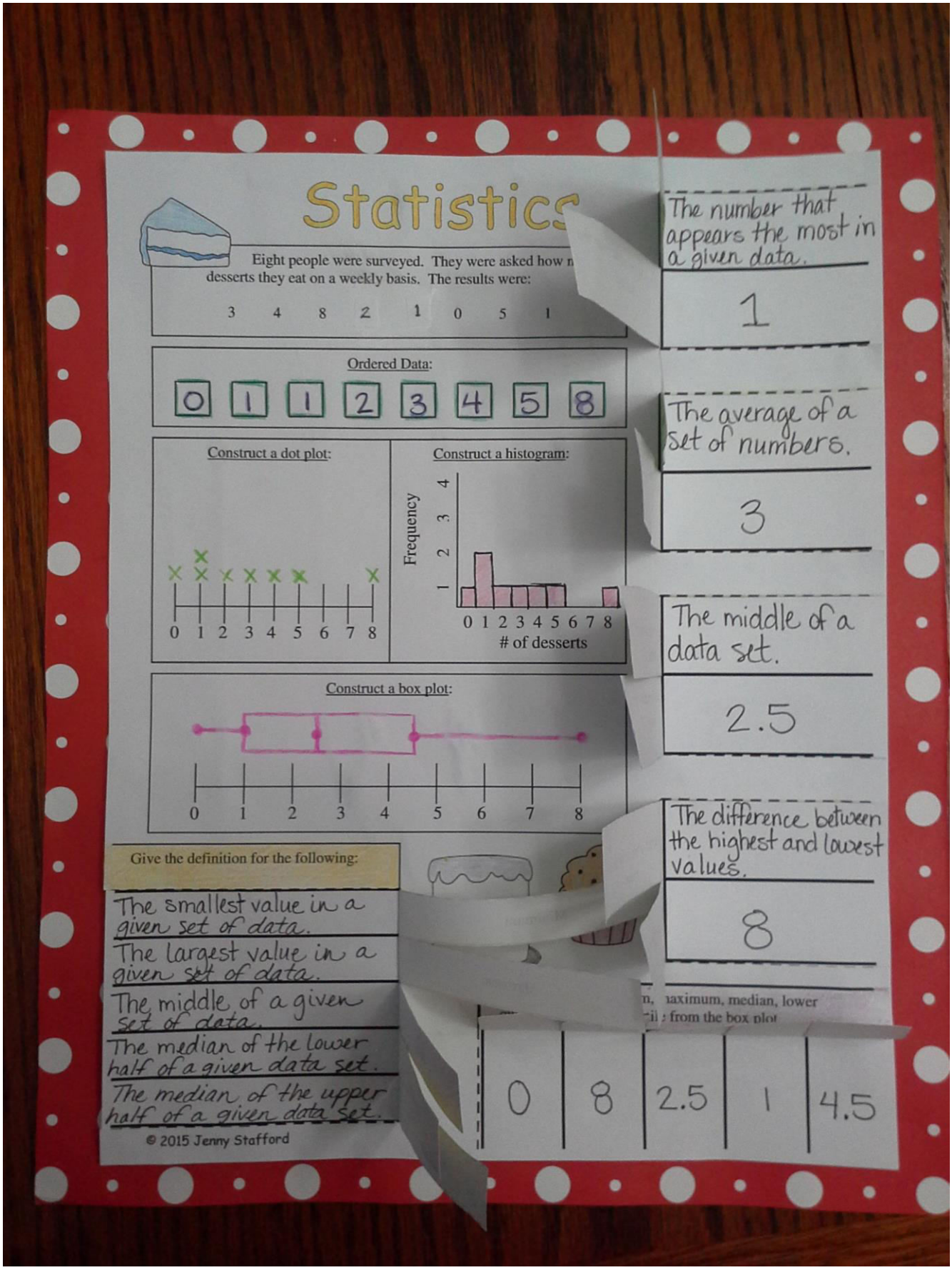


Step 6: Students need to fill out the answers.



Step 7: You are all done! Now it is time to study!

ANSWER KEY


Statistics
Eight people were surveyed. They were asked how n
desserts they eat on a weekly basis. The results were:
3 4 8 2 1 0 5 1
Ordered Data:
0 1 1 2 3 4 5 8
Construct a dot plot:
0 1 2 3 4 5 6 7 8
Construct a histogram:
Frequency
1 2 3 4
0 1 2 3 4 5 6 7 8
# of desserts
Construct a box plot:
0 1 2 3 4 5 6 7 8
Give the definition for the following:
The smallest value in a given set of data.
The largest value in a given set of data.
The middle of a given set of data.
The median of the lower half of a given data set.
The median of the upper half of a given data set.
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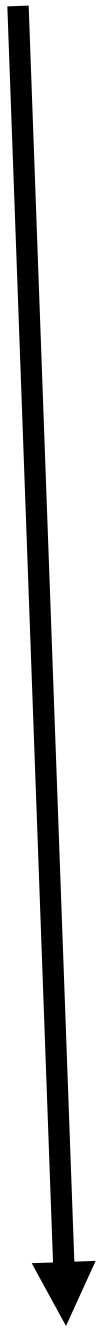
The number that appears the most in a given data.
1
The average of a set of numbers.
3
The middle of a data set.
2.5
The difference between the highest and lowest values.
8
aximum, median, lower
from the box plot
0 8 2.5 1 4.5

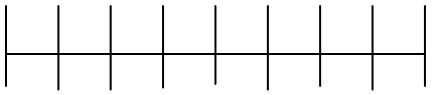
Again, the following page is just another way that you can use my foldable. You can decide if you want to create your own word problem or you can have students come up with their own problem. The template gives you lots of options! ☺



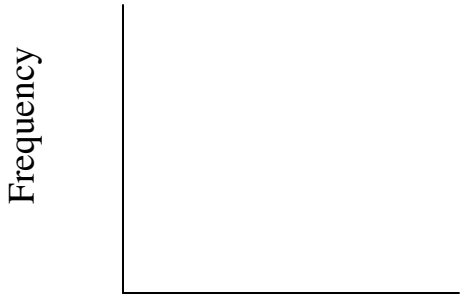
Statistics

Ordered Data:

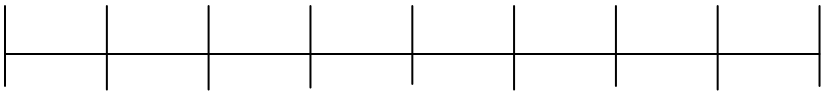
Construct a dot plot:



Construct a histogram:



Construct a box plot:



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Determine the minimum, maximum, median, lower quartile, and upper quartile from the box plot.

What is the **minimum**?	What is the **maximum**?	What is the **median**?	What is the **lower quartile**?	What is the **upper quartile**?

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