

Exploring the World of Math

Name: _____ Date: _____

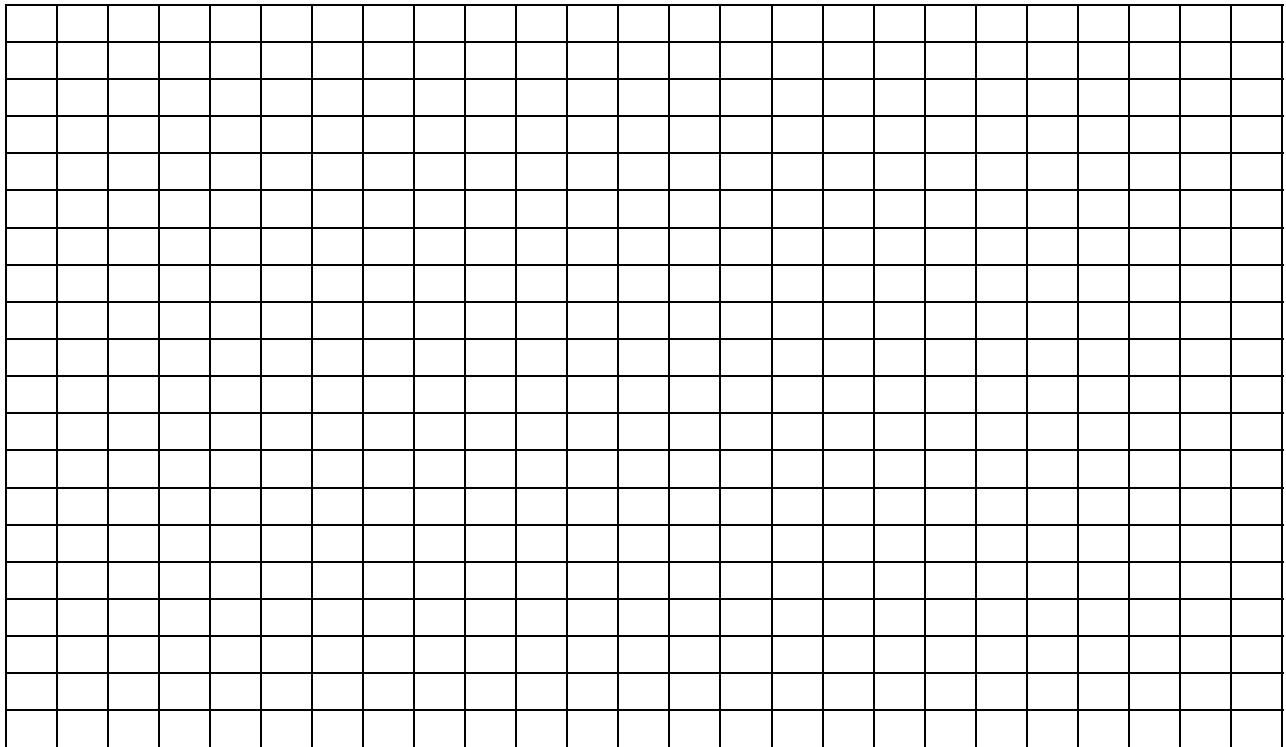
Bar Chart 1

The A Calorie Counterⁱ website lists the top 30 fast food items with the highest calories.

1140	1537	1230	1130	1140	1320	1210	1270	1130	1300
1220	1300	1160	1520	1130	1150	1220	1140	1300	1170
1290	1230	1140	1180	1188	1680	1420	1250	1130	1230

1. Order the data and create a frequency table for the above data.

2. Create a bar chart that reflects the data from above using four bars.



3. What is the percentage of fast food items with 1300 or higher calories?

4. What is the percentage of fast food items on the list with 1200 or lower calories?

5. What is the mean, median and mode for the data?

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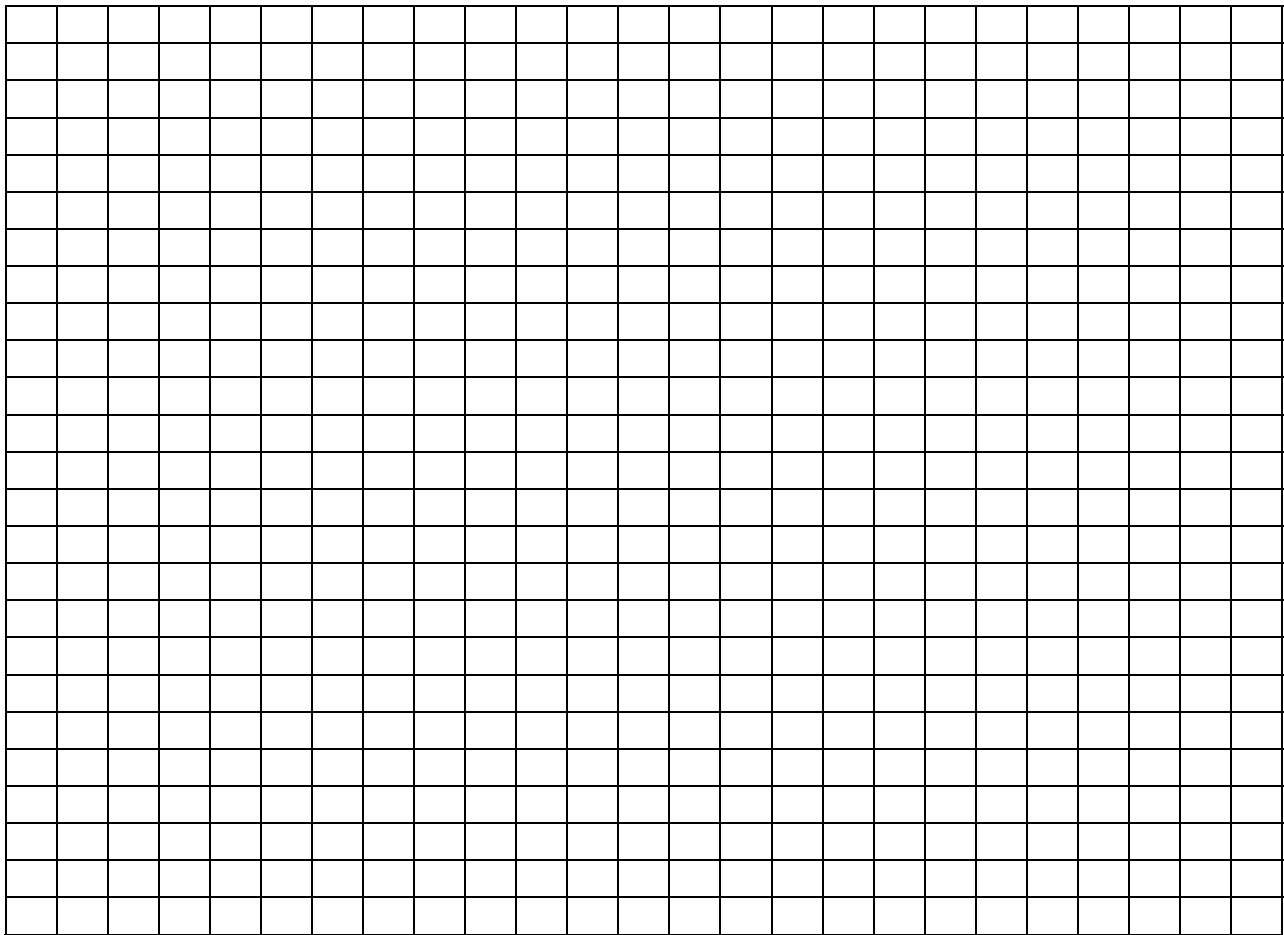
Bar Chart 2

The following data is an estimated amount that is being spent on Christmas per person.

\$825	\$200	\$450	\$600	\$770	\$500	\$125	\$750	\$500	\$100
\$900	\$650	\$100	\$350	\$250	\$255	\$305	\$520	\$150	\$600
\$125	\$175	\$300	\$75	\$425	\$400	\$200	\$360	\$350	\$550

6. Order the data and create a frequency table for the above data.

7. Create a bar chart that reflects the data from above using 5 bars



8. What is the mean median and mode?

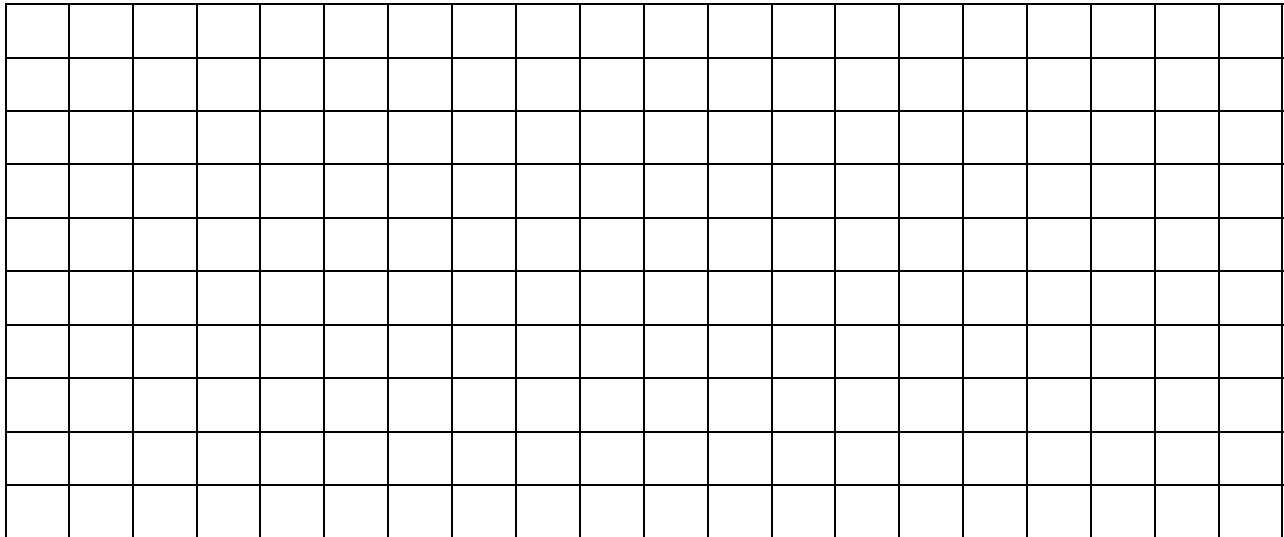
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9. We gave a 25-question statistics quiz on Monday to 30 students. The table below shows the results. Create a frequency table and a bar chart for the data.

16	19	25	22	19	24	18	15	21	24
16	18	19	15	11	12	13	14	15	16
24	24	24	19	14	19	22	24	15	13

Frequency Table

Bar Chart with 5 bars



10. What is the percentage of individuals that scored 15 and above?

11. What is the percentage of individuals that scored 10 and below?

12. What is the range of the data in the above table?

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13. We have collected data on our averages after two weeks in the history class. There are 30 people in the class. Order the data from smallest to largest. Find the mean, median, mode and range for the data.

56	71	93	68	83	52	53	93	68	68
71	89	71	86	83	65	38	66	51	93
81	96	96	96	63	48	41	46	71	94

a. Smallest to largest

b. Determine the mean

c. Determine the median

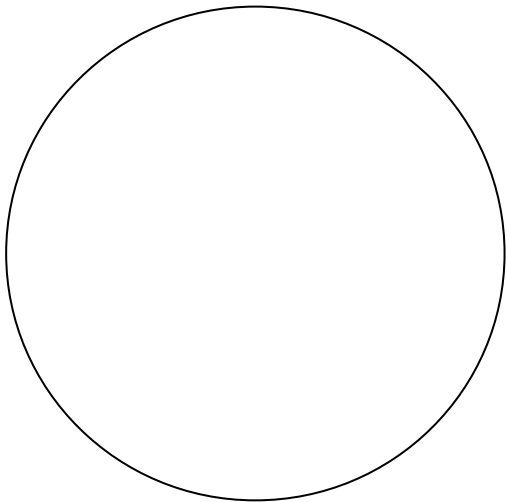
d. Determine the mode

e. Determine the range

14. There are five different animals in the cages. Compute the percentages and draw the pie chart. Tally the animals and divide by the total number of animals to find the percentage.

Dog	Cat	Cat	Dog	Mouse	Dog	Cat	Cat
Cat	Rabbit	Snake	Cat	Dog	Rabbit	Dog	Cat
Rabbit	Dog	Dog	Snake	Mouse	Cat	Rabbit	Dog
Dog	Mouse	Rabbit	Rabbit	Cat	Mouse	Dog	Rabbit
Cat	Dog	Snake	Dog	Cat	Dog	Dog	Cat

Animal	Tally	Total	Percentage



ⁱ <http://www.acaloriecounter.com/fast-food-calories.php>