

Name: Key

Unit 10 Day 3
Review for Quiz Scrabble



LEVEL ONE

Decide if the following are qualitative (categorical – QL) or quantitative (numerical – QN).

1. The average amount of money spent on lunch by a student QN
2. The number of hours of sleep QN
3. The number of hours spent on social media QN
4. Whether or not a student plays a sport at Central QL
5. Whether or not a student participates in activities at Central QL
6. The number of text messages sent in a day QN
7. The favorite color of participants QL
8. The favorite type of fruit of participants QL

Create an example of a qualitative (categorical) variable:

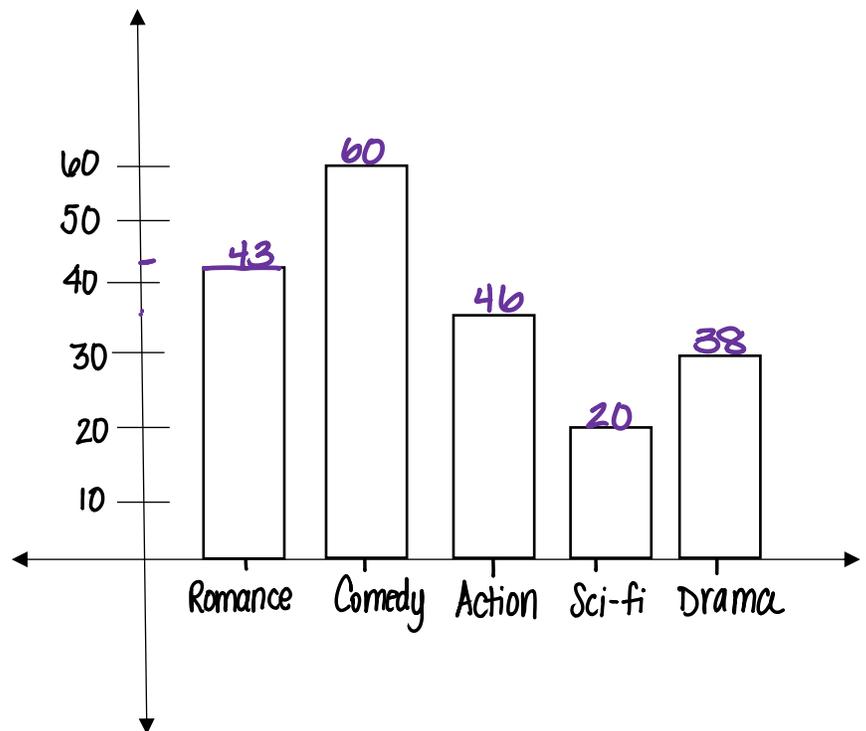
} varies

Create an example of a quantitative (numerical) variable:

LEVEL TWO

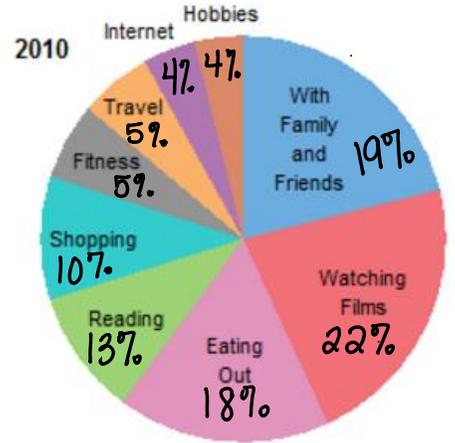
The bar chart below shows the favorite type of movie of a sample of students.

1. What is the most popular movie choice of students?
comedy
2. What is the least popular movie choice of students?
sci-fi
3. Which type of movie is about 1/3 as popular as comedy?
sci-fi
4. What is the total number of participants sampled?
~ 207 (varies)
5. What percentage of students prefer action?
 $\frac{46}{207} = 22\%$
(varies)



LEVEL THREE

The pie chart describes how a survey of people spend their time on the weekends in 2010:



1. What percentage of people spend their time traveling and shopping?

$5\% + 10\% = 15\%$

2. What percentage of people spend their time with family and friends?

19%

3. What is the least popular way that people spend their time?

internet and hobbies

4. If 100 people were surveyed, how many people would say they spend their time reading?

13

5. If 50 people were surveyed, how many people would say they spend their time watching films?

11

LEVEL FOUR

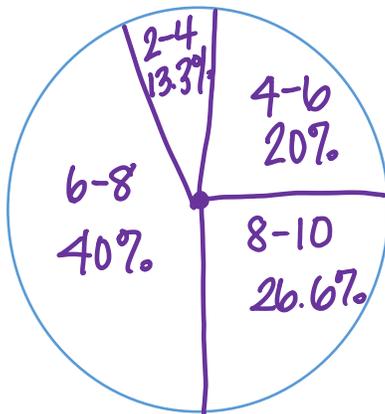
Students were asked to pick a number from 1-10. Here are the results:

~~1~~ ~~2~~ ~~7~~ ~~6~~ ~~7~~ ~~7~~ 10 5 8 ~~7~~ ~~4~~ ~~5~~ ~~2~~ 8 10

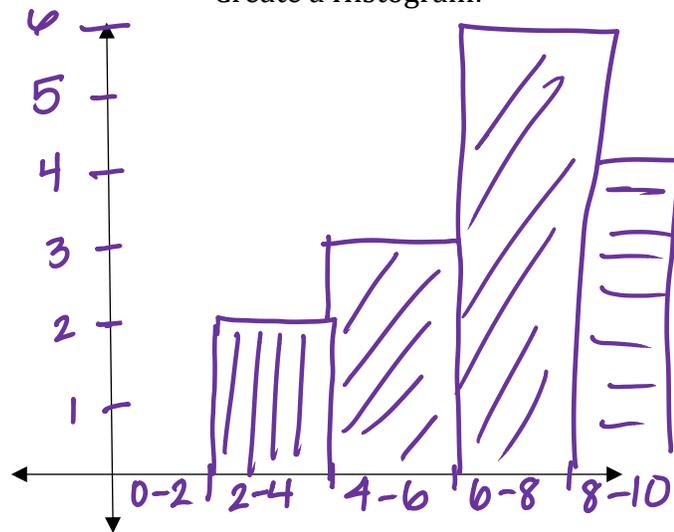
Frequency Table

Number	Frequency
0-2	0
2-4	2 13.3%
4-6	3 20%
6-8	6 40%
8-10	4 26.6%

Create a Pie Chart:



Create a Histogram:



total: 15

a) How many students were surveyed?

15

b) What percentage of students picked a number from 0-3?

0%

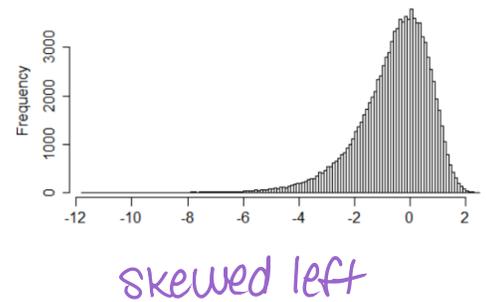
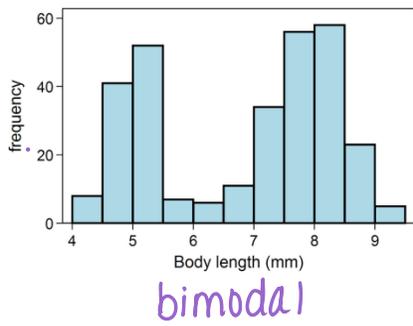
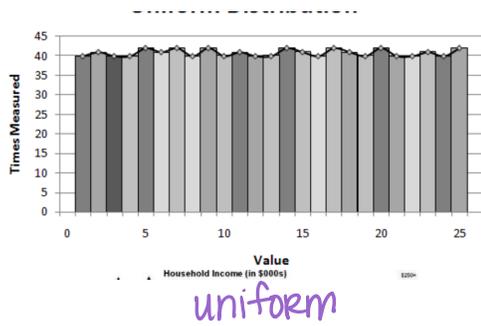
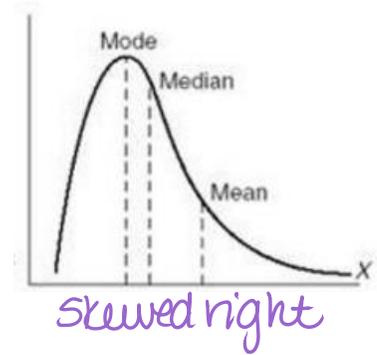
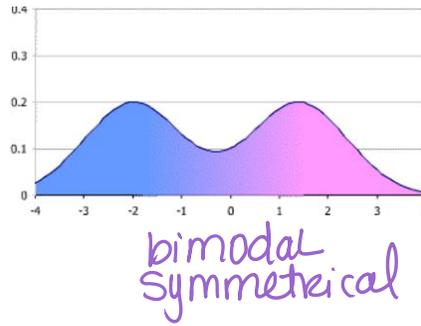
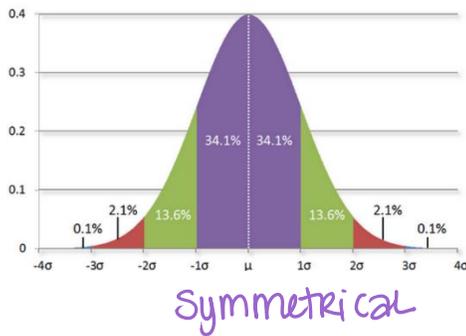
c) What percentage of students picked a number from 9-10?

$\frac{2}{15}$ 13.3%

LEVEL FIVE

Name the distribution below:

Word Bank: Skewed Right/Left, Bimodal, Symmetrical, Uniform.

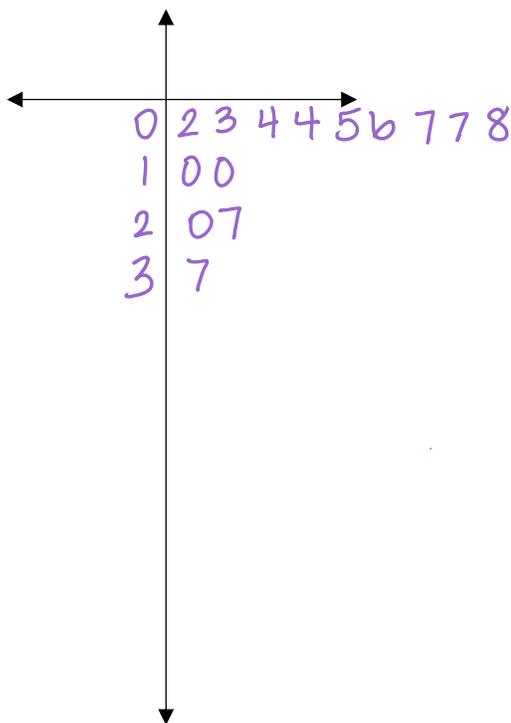


LEVEL SIX

The following shows the data collected from students in terms of the number of pairs of shoes they own.

~~8 20 5 2 10 37 3 27 6 10 7 7 4 4~~

Create a stem and leaf plot of the data.



1. How many participants were surveyed?

14

2. What percentage of participants own more than 25 shoes?

$\frac{2}{14} = \frac{1}{7} = 14\%$