

# 12.1 Central Tendency

Math 7

Name: \_\_\_\_\_

**CA #1**

After rolling a pair of dice multiple times, the sum of each roll was recorded and listed below.

10, 12, 7, 6, 7, 10, 8, 7, 4, 5, 8, 9, 3, 5, 7, 8, 6

Calculate the following values. A calculator may be used but show the work that leads to your answer.

1. Mean

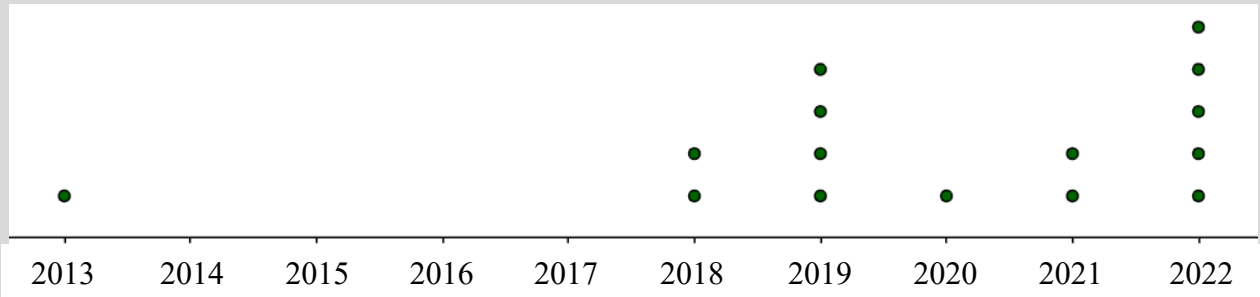
2. Median

3. Mode

4. Range

5. Are there outliers? If yes, what number(s)?

14 dimes are collected, and the year of each dime is represented in the dot plot below.



Calculate the following values. A calculator may be used but show the work that leads to your answer.

6. Mean

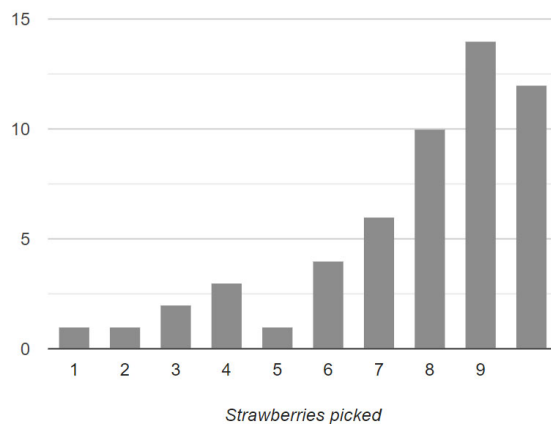
7. Median

8. Mode

9. Range

10. Are there outliers? If yes, what number(s)?

11. List the mean and median in order from least to greatest for the following data set. You do not need to list the actual values.



12. If a data set has a skewed right distribution, is the mean or median larger?

Answers to 12.1 CA #1

1. 7.176	2. 7	3. 7	4. 9	5. No	6. 2019.8
7. 2020	8. 2022	9. 9 years	10. Yes. 2013	11. mean < median	12. mean