Content Check

Use the focus group data set to answer the questions below. Show your work

Number of clothing purchases made this month

Participant Number	Number of Purchases
1	1
2	5
3	3
4	4
5	2
6	2
7	7
8	1
9	2
10	3

1. What is average number of clothing purchases made by members of the focus group in a month?

2. What is the range of clothing purchases made by members of the focus group in a month?

3. What is the mode of clothing purchases made by members of the focus group in a month?

4. What is the median value of clothing purchases made by members of the focus group in a month?

MATH CAREER
ADVENTURES

Content Check – Answer Key

Use the focus group data set to answer the questions below. Show your work

Number of clothing purchases made this month

Participant Number	Number of Purchases
1	1
2	5
3	3
4	4
5	2
6	2
7	7
8	1
9	2
10	3

1. What is average number of clothing purchases made by members of the focus group in a month?

$$1 + 5 + 3 + 4 + 2 + 2 + 7 + 1 + 2 + 3 = 30$$

$$30 / 10 = 3$$

Mean = 3

2. What is the range of clothing purchases made by members of the focus group in a month?

$$7 - 1 = 6$$

Range = 6

3. What is the mode of clothing purchases made by members of the focus group in a month?

1, 1, 2, 2, 2, 3, 3, 4, 5, 7

Mode = 2

4. What is the median value of clothing purchases made by members of the focus group in a month?

1, 1, 2, 2, 2, 3, 3, 4, 5, 7

Both 2 and 3 are the in the middle, need to do more work to determine the median

$$2 + 3 = 5$$

$$5 / 2 = 2.5$$

Median = 2.5

Measures of Central Tendency

MATH CAREER ADVENTURES