Student Activity: To find the mean, mode and median of a set of numbers.

Use in connection with the interactive file "Mean, Mode and Median" on the Student's CD.

Number of CDs students purchased this month to date

{3, 2, 2, 2, 3, 3, 4, 2, 2, 1, 5, 4, 3, 4, 2, 3, 3, 2, 3, 2, 3, 2}

Mode = {2}   Median = 3   Mean = 2.73

☐ Click to see list of the 3 types of averages

1	Mary	3
2	Paula	2
3	Martha	2
4	John	2
5	Joe	3
6	James	3
7	Paul	4
8	Declan	2
9	Peter	2
10	Joan	1
11	Teresa	5
12	Sheila	4
13	Alan	3
14	Michael	4
15	Jean	2
16	Liam	3
17	Barbara	3
18	Ann	2
19	David	3
20	Brian	2
21	Hazel	3
22	Rose	2

1. Looking at the spreadsheet in the interactive file, what is the most common number of CDs purchased and what is this number called?

   _____

   _____

2.

   a. List the data in ascending order.

      _____

      _____

   b. What is the middle data item and what is the middle data item called?

      _____

      _____

   c. Does your answer correspond with the answer in the interactive file?

      _____

3.

   a. Find the mean of the list. Show calculations.

      _____

      _____

   b. Does your answer correspond with the answer in the interactive file?

      _____

4. If you change the number of CDs bought by Michael to 3, why are there now two values for the Mode?

_____

_____

_____

5.

a. If Paula found a website selling cheap CDs and she bought 12, calculate the new mean, mode and median.

_____

_____

_____

b. Click the Reset button on the interactive file, insert 12 for Paula in the spreadsheet and now record the mean, mode and median. Do they agree with your calculations?

_____

_____

_____

_____

6. Name the three types of averages and explain what is meant by each.

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