Mean, Median, Mode (Part 2)

Problems from Video

The book club wants to describe the average number of books a club member reads in one month. Club members each kept track of the number of books they read during the month of April and analyzed their data to find the mode, median, and mean. Their results are shown below.

Club Member	Number of Books
Andre	12
Tom	9
Jess	5
Brandon	8
Shelley	4
Ashley	9
Alex	5
Meeka	6
Trevor	5

Mode = 5
Median = 6
Mean = 7

After computing these results, a new member, Sam, reported the number of books he read during the month of April.

Problem 1: Under what circumstances will Sam's data change the mode?

Problem 2: Ashley, the club's president, recalculated the mean with Sam's books. The new mean is eight books. How many books did Sam read?

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Problem 3: What is the median when you include Sam's books?

Problem 4: What would happen to the mean, median, and mode if Sam read 97 books? Determine the new mean, median, and mode.

Problem 5: Look at your answers for problem 5. Which value—mean, median, or mode—is most representative of the number of books read by a typical club member? Explain your reasoning.