

Outliers in Data Sets

I do

7 RD Head fifth graders were asked how many books they read over the summer. The responses were:

2, 2, 2, 3, 7, 8, 40

We do

The Science Olympiad shot off its water bottle rocket 8 times and recorded how long it stayed in the air (in seconds) each time. Here are the times

3, 18, 18, 18, 18, 19, 22, 25

**You do together
on whiteboard**

Vincent took 7 math tests in the 1st semester. Here are his scores:

51, 86, 87, 91, 96, 100, 100

Are there any outliers in his scores?

If so, what is the effect on the mean, median, range, and mode of his scores?

**You do alone on
index card**

6 students were asked how many sodas they drink in a week. Here were the answers:

0, 0, 2, 7, 7, 20

Are there any outliers in the data?

if so, what is the effect on the mean, median, range, and mode of the data?