

Name:

Modeling Data | 8.1

Ready, Set, Go!



<http://www.flickr.com/photos/garryknight/740038>

Ready

Topic: Measures of central tendency

Sam's test scores for the term were 60, 89, 83, 99, 95, and 60.

1. Suppose that Sam's teacher decided to base the term grade on the mean.
 - a. What grade would Sam receive?
 - b. Do you think this is a fair grade? Explain your reasoning.
2. Suppose that Sam's teacher decided to base the term grade on his median score.
 - a. What grade would Sam receive?
 - b. Do you think this is a fair grade? Explain your reasoning.
3. Suppose that Sam's teacher decided to base the term grade on the mode score.
 - a. What grade would Sam receive?
 - b. Do you think this is a fair grade? Explain your reasoning.
4. Aiden's test scores for the same term were 30, 70, 90, 90, 91, and 99. Which measure of central tendency would Aiden want his teacher to base his grade on? Justify your thinking.
5. Most teachers base grades on the mean. Do you think this is a fair way to assign grades? Why or why not?

