

Please complete the following problems for homework. Check Mrs. Kent's website for due dates.  
THERE MAY BE PROBLEMS ON THE BACK!

1. Calculate the Mean Absolute Deviation for each of the data sets below.
  - a. 1, 5, 8, 16, 20

- b. 4.4, 2.8, 9.5, 7.3

c.  $-25, -14, -17, -33, 40, 9, 5$

d. Skip this question

2. The heights (in cm) of a group of 8 boys and a group of 8 girls in a class are given as follows.

Height of boys (cm)	152	154	153	160	155	148	162	164
Height of girls (cm)	144	153	147	161	149	150	165	147

- a. Find the MAD of the heights of the
- Group of boys

- Group of girls

- b. In which group is there greater variation in heights?

3. Using the following dot plot which represents the amount of money students have remaining after buying lunch, calculate the MAD for the data set.

