Name _____

Mean Absolute Deviation

Use counters and a dot plot to find the mean absolute deviation of the data.

1. the number of hours Maggie spent practicing soccer for 4 different weeks:

9, 6, 6, 7

mean = 7 hours

$$\frac{2 + 1 + 1 + 0}{4} = \frac{4}{4} = 1$$

mean absolute deviation = ___**1 hour**___
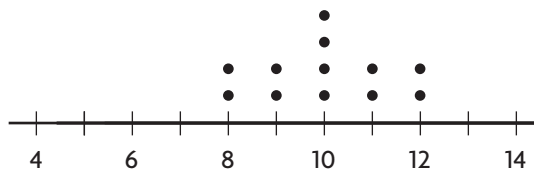
2. the heights of 7 people in inches:

60, 64, 58, 60, 70, 71, 65

mean = 64 inches

mean absolute deviation = _____

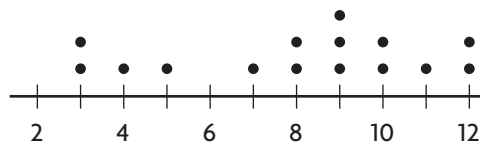**Use the dot plot to find the mean absolute deviation of the data.**

3. mean = 10

Ages of Students in Dance Class

mean absolute deviation = _____

4. mean = 8

Weekly Hours Spent Doing Homework

mean absolute deviation = _____

Problem Solving Real World

5. In science class, Troy found the mass, in grams, of 6 samples to be 10, 12, 7, 8, 5, and 6. What is the mean absolute deviation?

6. Five recorded temperatures are 71°F, 64°F, 72°F, 81°F, and 67°F. What is the mean absolute deviation?