Name _____ Date _____ Class_____

American Math 6th Grade HW 31; Measurement and Data

1. Thomas hiked 6 miles on Monday, 10 miles on Tuesday, and 8 miles on Wednesday. Which value is closest to the mean number of miles he hiked over the three-day period?

  A 4 mi   C 8 mi

  B 6 mi   D 10 mi

2. What is the range of the data represented in the box plot below?

  A 10   C 20

  B 15   D 30

3. What is the median of the data represented in the line plot below?

  A 22   C 23

  B 22.5   D 23.5

4. What is the median of the data set below?

$$\{0.5, 1.5, 2.5, 4.0\}$$

  A 1.5

  B 2.0

  C 2.5

  D 3.0

Use the table for 5 and 6.

5. What is the mean for the data set below?

8	10	6	4
12	6	8	14

  A 8   C 10

  B 8.5   D 12

6. What is the mean absolute deviation for the data set?

  A 2.625   C 3.625

  B 3   D 21

7. For the data set below, which of the following measures is greatest?

$$\{2, 2, 2, 4, 6, 8, 12, 20\}$$

  A mean   C range

  B median   D mode

Use the graph for 8 and 9.

Grades

The histogram shows the number of students in each grade range at the county fair.

8. What grades were most students in?

  A 1–4   C 9–12

  B 5–8   D 13–16

9. How many more students were in grades 5–8 than 9–12?

  A 4   C 7

  B 5   D 10

Use the table for 10–12.

Homework Hours	Number of Students
0–3	5
4–7	12
8–11	4
12–15	2

The table shows the number of hours of homework 23 students do per week.

10. Draw a histogram to display the data.

11. How long do most students spend on homework per week?

_____

_____

12. Can you tell how many students spend 10 hours on homework each week?

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