Standardized Test Practice

Read each question. Then fill in the correct answer on the answer sheet provided by your teacher or on a sheet of paper.

1. A shop records the number of specialty shirts sold each month. What is the mean number of T-shirts sold?

T-Shirt Sales	
Month	**Number**
January	75
February	68
March	75
April	92
May	105

   A. 75 **C.** 85
   B. 83 **D.** 92

2. Javon's bill at the bakery was $12. He bought 12 egg bagels for $0.50 each. If an onion bagel costs $0.75, how can he find how much he spent on onion bagels?

   F. Add $0.50 and $0.75.
   G. Subtract the product of 12 and $0.50 from $12.00.
   H. Multiply $0.75 and 12.
   I. Divide 12 by $0.50.

3. What is the median of the following ages of people attending a concert: 2, 7, 41, 25, 19, 22, 28, 32, and 24?

   A. 17
   B. 22
   C. 24
   D. 41

4. ✍ **GRIDDED RESPONSE** Teresa had a family photo with the dimensions of 12 inches by $16\frac{1}{2}$ inches. Find the area of the photo, in square inches.

5. ✍ **GRIDDED RESPONSE** Use the frequency table below to determine the mean number of hours of sleep.

Hours of Sleep	Tally	Frequency
5				2
5.5			1
6					3
6.5			1
7	ⅲ	5
7.5	||||	4
8						4

6. Martha was making place cards for a party that used $\frac{1}{3}$ of a piece of paper each. If she needed to make place cards for 31 people, how many pieces of paper would she need?

   F. 93
   G. 34
   H. 11
   I. 10

7. The lengths of the longest bridges in the United States are shown. Which statement is supported by the data?

State	Length (ft)
LA	126,024
VA	79,200
GA	42,240
LA	96,095
LA	120,400

   A. If the lengths of the bridges were distributed equally among all five bridges, each would measure 95,250 feet in length.
   B. There is no bridge length that occurs more often than another.
   C. The lengths of the bridges have a range of 82,000 feet.
   D. The majority of the bridges are greater than 97,000 feet in length.

8. ✏️ **GRIDDED RESPONSE** A train is traveling 54.8 miles per hour. At this speed, how far will the train travel, in miles, in 3.2 hours?

9. Craig planted $\frac{3}{4}$ acre with vegetables. He divided the garden into sections that were $\frac{1}{6}$ of an acre. How many different sections will Craig have?

F. $4\frac{1}{2}$

G. $3\frac{1}{2}$

H. $\frac{2}{9}$

I. $\frac{1}{8}$

10. 📊 **SHORT RESPONSE** The table shows students' favorite track and field events. If 300 students were surveyed, how many would prefer long jump?

Favorite Track and Field Event	
Discus	24%
Sprints	31%
Distance	19%
Long jump	26%

11. The weight of a small dog is about 10 times the weight of a guinea pig shown. What is the estimated weight of the small dog?

2.0 lb

A. 0.2 lb

B. 10 lb

C. 20 lb

D. 200 lb

12. The table shows the number of goals scored by Major League Soccer players in a recent year.

Name	Goals
Luciano Emilio	47
Juan Pablo Angel	45
Eddie Johnson	39
Joseph Ngwenya	37
Juan Toja	28
Brian Ching	24
Yura Movsisyan	22
Taylor Twellman	20

Which measure of center best represents the data?

F. outlier

G. mode

H. range

I. mean

13. What is the solution to the equation $1.7t = 8.5$?

A. 5   **C.** 10.2

B. 6.8   **D.** 14.45

14. 📊 **EXTENDED RESPONSE** Kamilah is researching the number of channels available from different cable and satellite companies. The table shows the results.

Company	Number of Channels
A	265
B	70
C	85
D	120
E	135

Part A Find the mean, median, mode, and range.

Part B How does the outlier affect the values you found for Part A?