

SAT Statistics Worksheet

Name: _____ Date: _____

Circle one answer for each question. Use the blank space for calculations. A calculator is allowed.

1. What is the mean of 4, 6, 8, 10, and 12?

- A. 6
- B. 7
- C. 8
- D. 10

2. What is the median of 9, 2, 7, 4, and 8?

- A. 4
- B. 6
- C. 7
- D. 8

3. What is the range of 3, 7, 11, 14, and 18?

- A. 11
- B. 14
- C. 15
- D. 18

4. Four numbers have a mean of 12. A fifth number, 22, is added. What is the new mean?
- A. 12
 - B. 14
 - C. 16
 - D. 17
5. Each value in a data set is increased by 7. How does the mean change?
- A. It decreases by 7.
 - B. It stays the same.
 - C. It increases by 7.
 - D. It is multiplied by 7.
6. Set A is 5, 5, 5, 5. Set B is 2, 4, 6, 8. Which statement is true?
- A. A has the greater mean.
 - B. B has the greater mean.
 - C. They have the same mean, but B has the greater standard deviation.
 - D. They have the same standard deviation.

7.

Score	Frequency
2	1
3	2
4	1

The table gives test scores and their frequencies. What is the mean score?

- A. 2
- B. 2.5
- C. 3
- D. 4

8. What is the median of 1, 3, 5, 7, 9, and 11?

- A. 5
- B. 6
- C. 7
- D. 8

9. In the data set 10, 11, 12, 13, 14, the value 14 is replaced by 100. What happens to the median?

- A. It decreases.
- B. It stays 12.
- C. It increases to 13.
- D. It increases to 29.2.

10. A data set has mean 20. Every value is multiplied by 3. What is the new mean?

- A. 20
- B. 23
- C. 40
- D. 60

11. Five values have sum 65. Four of them are 8, 10, 12, and 15. What is the fifth value?

- A. 13
- B. 15
- C. 18
- D. 20

12. Two classes have 10 and 20 students, respectively. Their mean quiz scores are 80 and 95. What is the combined mean score?

- A. 85
- B. 87.5
- C. 90
- D. 92.5