

STATS MEAN MEDIAN MODE

- 2002A 21. The mean, median, unique mode, and range of a collection of eight integers are all equal to 8. The largest integer that can be an element of this collection is
- (A) 11 (B) 12 (C) 13 (D) 14 (E) 15

2000

23. When the mean, median, and mode of the list

$$10, 2, 5, 2, 4, 2, x$$

are arranged in increasing order, they form a non-constant arithmetic progression. What is the sum of all possible real value of x ?

- (A) 3 (B) 6 (C) 9 (D) 17 (E) 20

2002B

25. When 15 is appended to a list of integers, the mean is increased by 2. When 1 is appended to the enlarged list, the mean of the enlarged list is decreased by 1. How many integers were in the original list?

- (A) 4 (B) 5 (C) 6 (D) 7 (E) 8

2017B

25. Last year Isabella took 7 math tests and received 7 different scores, each an integer between 91 and 100, inclusive. After each test she noticed that the average of her test scores was an integer. Her score on the seventh test was 95. What was her score on the sixth test?

- (A) 92 (B) 94 (C) 96 (D) 98 (E) 100