

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ALG 2 SAT/PSAT practice Fri, March 20, 2020

	I	engths o	of Fish (i	n inches	s)	
8	9	9	9	10	10	11
11	12	12	12	12	13	13
12	14	14	15	15	16	24

The table above lists the lengths, to the nearest inch, of a random sample of 21 brown bullhead fish. The outlier measurement of 24 inches is an error. Of the mean, median, and range of the values listed, which will change the most if the 24-inch measurement is removed from the data?

- A) Mean
- B) Median
- C) Range
- D) They will all change by the same amount.



49,45,45,45,45,45,45,45,45,45

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Answers (

	I	engths c	of Fish (i	n inches	3)	
8	9	9	9	10	10	11
11	12	12	12	12	13	13
13	14	14	15	15	16	24

The table above lists the lengths, to the nearest inch, of a random sample of 21 brown bullhead fish. The outlier measurement of 24 inches is an error. Of the mean, median, and range of the values listed, which will change the most if the 24-inch measurement is removed from the data?

- A) Mean
- B) Median
- C) Range

Range

D) They will all change by the same amount.

- sum of H#3 = 262 Wo outlier sum = 238

W/O OUTLIER WITH OUT LIER 16-8 = 8 24-8 = 16

median is 11th # 21 #s Median

20 #s median 1s avg of 10 th & 11th # which are both 12 median = 12

262 - 21.8 Mean

238 - 21.6