

For the following sets of numbers find the mean, median, mode, and range.

1. 34, 21, 19, 33, 34, 27

Mean _____

Median _____

Mode _____

Range _____

2. 245, 202, 254, 245, 276

Mean _____

Median _____

Mode _____

Range _____

3. 124, 10, 18, 14, 22, 16

Mean _____

Median _____

Mode _____

Range _____

4. 9, 3, 3, 7, 2, 10, 4, 2, 5, 7, 3

Mean _____

Median _____

Mode _____

Range _____

5. Multiple Choice but SHOW WORK!

Sam's grades on eleven chemistry tests were 90, 85, 76, 63, 94, 89, 81, 76, 78, 69, and 97. Which statement is true about the measures of central tendency?

mean _____

median _____

mode _____

range _____

1) mean > mode

2) mean < median

3) mode > median

4) median = mean

For the following sets of numbers find the mean, median, mode, and range.

1. ~~34, 21, 19, 33, 34, 27~~
~~19, 21, 27, 33, 34, 34~~
 Mean $168 \div 6 = 28$
 Median $\frac{27+33}{2} = 30$
 Mode 34
 Range $34 - 19 = 15$

2. ~~245, 202, 254, 245, 276~~
~~202, 245, 245, 254, 276~~
 Mean $1222 \div 5 = 244.4$
 Median 245
 Mode 245
 Range $276 - 202 = 74$

3. ~~124, 10, 18, 14, 22, 16~~
~~10, 14, 16, 18, 22, 124~~
 Mean $204 \div 6 = 34$
 Median $\frac{16+18}{2} = 17$
 Mode No Mode
 Range $124 - 10 = 114$

4. ~~9, 3, 3, 7, 2, 10, 4, 2, 5, 7, 3~~
~~2, 2, 3, 3, 3, 4, 5, 7, 7, 9, 10~~
 Mean $55 \div 11 = 5$
 Median 4
 Mode 3
 Range $10 - 2 = 8$

5. Multiple Choice but SHOW WORK!

Sam's grades on eleven chemistry tests were ~~90, 85, 76, 63, 94, 89, 81, 76, 78, 69, and 97~~. Which statement is true about the measures of central tendency?

~~63, 69, 76, 76, 78, 81, 85, 89, 90, 94, 97~~

mean $\frac{898}{11} = 81.6$ median 81 mode 76 range $97 - 63 = 34$

- 1) mean > mode
- ~~3) mode > median~~
~~76 > 81~~

- ~~2) mean < median~~
- ~~4) median = mean~~
~~81 = 81.6~~