

Changing Averages

A. Find a possible set of numbers to satisfy the condition. Note: there may be different possible answers.

- 1). Mode = 4. — — — — —
- 2). Median = 7. — — — — —
- 3). Mode = 3 & 5. — — — — —
- 4). Median = 19. — — — — —
- 5). No mode. — — — — —
- 6). Range = 6. — — — — —
- 7). Mean = 5. — — —
- 8). Median = 10. — — — — —
- 9). Mean = 10. — — — —
- 10). Mean = 4. — — — — —
- 11). Mode = 10,
Range = 9. — — — — —
- 12). Median = 8,
Mode = 7. — — — — —
- 13). Median = 9,
Mode = 5 & 11. — — — — —
- 14). Median = 7,
Mean = 8. — — — — —
- 15). Mode = 3,
Mean = 7. — — — —
- 16). No mode,
Median = 4. — — — —
- 17). Median = 4,
Mean = 5. — — — —
- 18). Median = 8,
Mean = 8. — — — — —
- 19). Median = 11,
Mean = 15. — — — — —
- 20). Mean = 6,
Range 10. — — — —
- 21). Mean = 11,
Range = 13. — — — — —
- 22). Median = 13,
Range 9. — — — — —

B.

- 1). A set of three numbers has a median of 4, a mean of 5 and a range of 7. What are the 3 numbers?
- 2). A set of five numbers has a mode of 12, a median of 11 and a mean of 10. What could the 5 numbers be?
- 3). Three numbers have a mean of 23. Two of the numbers have a mean of 12. Two of the numbers have a mean of 30. What are the three numbers?
- 4). A set of five numbers has a mode of 3, a median of 3 and a mean of 4. They are all positive whole numbers.
 - a). There are several sets. Find them.
 - b). The range for the set I am looking for is 9. Which set is it?
- 5). A set of five numbers has a mode of 34, a median of 33, a mean of 31 and a range of 8. They are all positive whole numbers. Find the set of numbers.
- 6). Find the sets of five positive whole numbers with the following property:
Mean = Median = Mode = Range = a single digit number.

