

**Q3 (Mean -Range) Day 15** Name: \_\_\_\_\_

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1. Look at the set of four numbers below.

12    7    9    16

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

\_\_\_\_\_

b) Look again at **the question above**. A fifth number (**20**) is added to the set of numbers. What is the **range** of the numbers, including the new fifth number  
Write your answer in the space below.

\_\_\_\_\_

2. Look at the set of four numbers below.

13    9    11    19

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A fifth number (**6**) is added to the set of numbers. What is the **range** of the numbers, including the new fifth number  
Write your answer in the space below.

\_\_\_\_\_

3. Look at the set of five numbers below.

14    7    10    12    17

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A sixth (**25**) number is added to the set of numbers. What is the **range** of the numbers, including the new sixth number  
Write your answer in the space below.

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4. Look at the set of five numbers below.

9    14    16    19    12

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A sixth number (**3**) is added to the set of numbers. What is the **range** of the numbers, including the new sixth number  
Write your answer in the space below.

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5. Look at the set of five numbers below.

23    21    13    19    14

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A sixth number (**30**) is added to the set of numbers. What is the **range** of the numbers, including the new sixth number  
Write your answer in the space below.

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6. Look at the set of six numbers below.

6    12    19    14    21    18

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A seventh number (**27**) is added to the set of numbers. What is the **range** of the numbers, including the new seventh number  
Write your answer in the space below.

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7. Look at the set of six numbers below.

11    13    9    16    23    36

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A seventh number (**2**) is added to the set of numbers. What is the **range** of the numbers, including the new seventh number Write your answer in the space below.

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8. Look at the set of six numbers below.

23    14    19    21    34    27

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A seventh number (**49**) is added to the set of numbers. What is the **range** of the numbers, including the new seventh number Write your answer in the space below.

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9. Look at the set of seven numbers below.

6    14    9    12    17    15    11

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. An eighth number (**23**) is added to the set of numbers. What is the **range** of the numbers, including the new eighth number Write your answer in the space below.

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10. Look at the set of seven numbers below.

31    26    15    21    30    19    33

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. An eighth number (**5**) is added to the set of numbers. What is the **range** of the numbers, including the new eighth number Write your answer in the space below.

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11. Look at the set of eight numbers below.

12    17    19    21    6    13    20    28

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A ninth number (**61**) is added to the set of numbers. What is the **range** of the numbers, including the new ninth number. Write your answer in the space below.

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12. Look at the set of eight numbers below.

23    41    37    18    29    33    26    25

a) What is the **mean (average)** of the numbers above? Write your answer in the space below.

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b) Look again at **the question above**. A ninth number (**1**) is added to the set of numbers. What is the **range** of the numbers, including the new ninth number. Write your answer in the space below.

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**Answers**

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|-----------------|--------------|
| <b>1. a) 11</b> | <b>b) 13</b> |
| <b>2. a) 13</b> | <b>b) 13</b> |
| <b>3. a) 12</b> | <b>b) 18</b> |
| <b>4. a) 14</b> | <b>b) 16</b> |
| <b>5. a) 18</b> | <b>b) 17</b> |
| <b>6. a) 15</b> | <b>b) 21</b> |
| <b>7. a) 18</b> | <b>b) 34</b> |
| <b>8. a) 23</b> | <b>b) 35</b> |
| <b>9. a) 12</b> | <b>b) 17</b> |
| <b>10.a) 25</b> | <b>b) 28</b> |
| <b>11.a) 17</b> | <b>b) 55</b> |
| <b>12.a) 29</b> | <b>b) 40</b> |