

## Range, median & mode

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### Data and Graphing Worksheet

Find the range, median and mode for the data in each problem.

1. Tom sold the following number of books over seven days: 13, 14, 12, 12, 14, 9, 12.  
Range: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_
2. Katherine recorded her spelling scores for 7 weeks: 15, 20, 15, 18, 17, 19, 15.  
Range: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_
3. The students collected the following number of bottles for their recycling project: 11, 15, 9, 15, 16, 17, 11, 9, 9.  
Range: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_
4. Gina has 24 yellow candies, 20 blue candies, 18 green candies, 24 purple candies, 16 red candies and 15 orange candies.  
Range: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_
5. Amelia sold the following ice cream flavors: 36 strawberry, 38 chocolate, 40 vanilla, 30 mango, 34 caramel, 40 green tea.  
Range: \_\_\_\_\_  
Median: \_\_\_\_\_  
Mode: \_\_\_\_\_

## Answers

1. Tom sold the following number of books over seven days: 13, 14, 12, 12, 14, 9, 12.  
**9, 12, 12, 12, 13, 14, 14**  
 Range:  $14 - 9 = 5$   
 Median: **12**  
 Mode: **12**
  
2. Katherine recorded her spelling scores for 7 weeks: 15, 20, 15, 18, 17, 19, 15.  
**15, 15, 15, 17, 18, 19, 20**  
 Range:  $20 - 15 = 5$   
 Median: **17**  
 Mode: **15**
  
3. The students collected the following number of bottles for their recycling project: 11, 15, 9, 15, 16, 17, 11, 9, 9.  
**9, 9, 9, 11, 11, 15, 15, 16, 17**  
 Range:  $17 - 9 = 8$   
 Median: **11**  
 Mode: **9**
  
4. Gina has 24 yellow candies, 20 blue candies, 18 green candies, 24 purple candies, 16 red candies and 15 orange candies.  
**15, 16, 18, 20, 24, 24**  
 Range:  $24 - 15 = 9$   
 Median:  $(18 + 20) \div 2 = 19$   
 Mode: **24**
  
5. Amelia sold the following ice cream flavors: 36 strawberry, 38 chocolate, 40 vanilla, 30 mango, 34 caramel, 40 green tea.  
**30, 34, 36, 38, 40, 40**  
 Range:  $40 - 30 = 10$   
 Median:  $(36 + 38) \div 2 = 37$   
 Mode: **40**