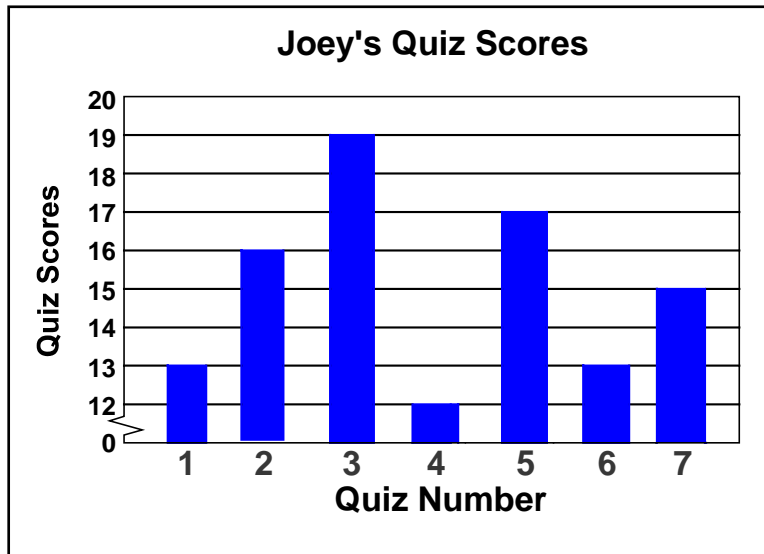


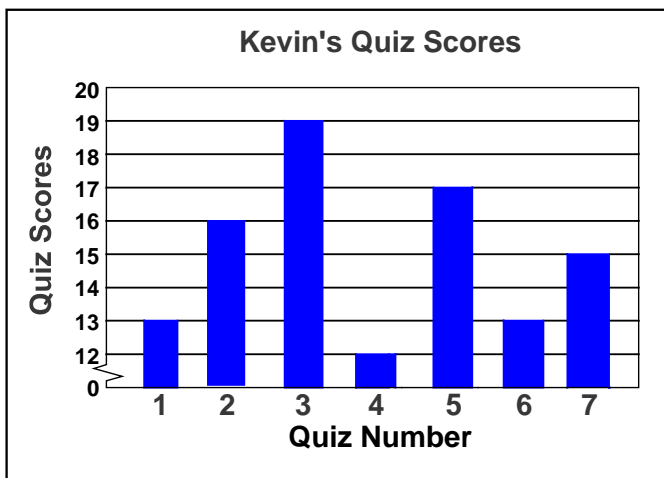
Range, Mode, Median and Mean

Skill 5 - 8B



1. Find the range. **The range is 7.**
(highest score minus the lowest score)
2. Find the mode. **The mode is 13.**
(the number that occurs most often)
3. Find the median. Arrange the data in order from least to greatest.
12, 13, 13, 15, 16, 17, 18
The median is 15. (the middle number)
4. Find the mean. Add the quiz scores. $12 + 13 + 13 + 15 + 16 + 17 + 19 = 105$
Divide the sum by the number of quizzes. $105 \div 7 = 15$
The mean is 15.

Use the data in the graph below to answer the questions.



1. Find the range.

2. Find the mode.

3. Find the median.

4. Find the mean.

Range, Mode, Median and Mean

Skill 5 - 8B

Find the range, mode, median and mean.

In this example, be sure to look at mode and median. There is additional instruction.

5. 3, 7, 2, 5, 6, 1

a. **range:** $7 - 1 = 6$. **The range is 6.**

b. **mode:** This data has no mode since no number occurs more than once.

c. **median:** First, order the data from least to greatest. 1, 2, 3, 5, 6, 7

There are two numbers in the middle of the data. 1, 2, 3, 5, 6, 7

To find the median, add the two numbers and divide by 2. (this is finding the mean of the two middle numbers) $3 + 5 = 8$ $8 \div 2 = 4$. **The median is 4.**

d. **mean:** $1 + 2 + 3 + 5 + 6 + 7 = 24$ $24 \div 6 = 4$ **The mean is 4.**

Find the range, mode, median and mean.

6. 4, 8, 2, 7, 6, 0, 1

range:

mode:

median:

mean:

7. 3, 2, 6, 3, 1

range:

mode:

median:

mean:

8. 3, 9, 5, 8, 10, 8, 8, 3, 0, 1

range:

mode:

median:

mean:

9. 12, 20, 17, 18, 19, 18, 15

range:

mode:

median:

mean:

10. 8.0, 5.0, 3.5, 7.0, 2.5

range:

mode:

median:

mean:

Range, Mode, Median and Mean

Skill 5 - 8B

Find the range, mode, median and mean.

11. 38, 42, 27, 33

range: mode: median: mean:

12. 21, 3, 0, 15, 1, 12, 3, 0, 9, 17, 12, 15, 20, 12

range: mode: median: mean:

13. 37, 15, 28, 15, 15, 26, 25

range: mode: median: mean:

14. 152, 101, 175, 110

range: mode: median: mean:

15. 0, 4, 10, 7, 5, 0, 7, 5, 7

range: mode: median: mean:

16. \$22.33, \$11.18, \$15.47, \$14.84, \$11.18

range: mode: median: mean:

17. 105.7, 123, 89.3, 132, 75

range: mode: median: mean:

18.

Laps Ran						
Name	Kevin	Ann	Luis	Reno	Darlene	Devon
Number of Laps	20	17	15	22	28	17

range: mode: median: mean:

Answers; Skill 8B

- | | | | | |
|------------|---|---------------|--|----------------------------------|
| 4. | range: $19 - 12 = 7$ | mode: 13 | median: 15 | mean: $105 \div 7 = 15$ |
| 6. | range: $8 - 0 = 8$ | mode: no mode | median: 4 | mean: $28 \div 7 = 4$ |
| 7. | range: $6 - 1 = 5$ | mode: 3 | median: 3 | mean: $15 \div 5 = 3$ |
| 8. | range: $10 - 0 = 10$ | mode: 8 | median: $5 + 8 = 13$
$13 \div 2 = \mathbf{6.5}$ | mean: $55 \div 10 = 5.5$ |
| 9. | range: $20 - 12 = 8$ | mode: 18 | median: 18 | mean: $119 \div 7 = 17$ |
| 10. | range: $8.0 - 2.5 = 5.5$ | mode: no mode | median: 5.0 | mean: $26 \div 5 = 5.2$ |
| 11. | range: $47 - 33 = 14$ | mode: no mode | median: $38 + 42 = 80$
$80 \div 2 = \mathbf{40}$ | mean: $160 \div 4 = 40$ |
| 12. | range: $21 - 0 = 21$ | mode: 12 | median: $12 + 12 = 24$
$24 \div 2 = \mathbf{12}$ | mean: $140 \div 14 = 10$ |
| 13. | range: $37 - 15 = 22$ | mode: 15 | median: 25 | mean: $161 \div 7 = 23$ |
| 14. | range: $175 - 101 = 74$ | mode: no mode | median: $110 + 152 = 262$
$262 \div 2 = \mathbf{131}$ | mean: $538 \div 4 = 134.5$ |
| 15. | range: $10 - 0 = 10$ | mode: 7 | median: 5 | mean: $42 \div 9 = 5$ |
| 16. | range:
$\$22.33 - \$11.17 = \$11.16$ | mode: \$11.18 | median: \$15.47 | mean: $\$75.00 \div 5 = \15.00 |
| 17. | range: $132 - 75 = 57$ | mode: no mode | median: 105.7 | mean: $525 \div 5 = 105$ |
| 18. | range: $28 - 15 = 10$ | mode: 17 | median: $17 + 20 = 37$
$37 \div 2 = \mathbf{18.5}$ | mean: $120 \div 6 = 20$ |