

Unit 6 Review

Use the given data to answer the following questions.

Shoe size of high schoolers: 5.5, 7.5, 8, 8, 8, 9.5, 10, 10, 11, 11.5, 13, 15

1. Find the mean, median, mode, and range

Mean: Median: Mode: Range:

2. Are there any outliers? If so, what are they?

3. Make a box and whisker plot of the data

Test scores from a history exam: 42, 68, 75, 77, 77, 78, 78, 79, 84, 85, 86, 86, 94, 96, 98

4. Find the mean, median, mode, and range

Mean: Median: Mode: Range:

5. Are there any outliers? If so, what are they?

6. Make a box and whisker plot of the data

State whether the following statements represent mean, median, or mode

7. The average grade in the class puts you in the middle of the class scores
8. Most American high school students have a cell phone
9. A baseball player's batting average is .428

Use the following data to answer the following questions

The table shows the winning scores in the first round of the basketball tournament.

90	69	70	89	62	97	64	68	79	67	77	66	65	89	99	82
100	81	78	53	80	62	86	77	73	77	69	72	51	68	80	73

10. Create a frequency table

11. Create a Histogram

Weights of Pumpkins (in lbs.):



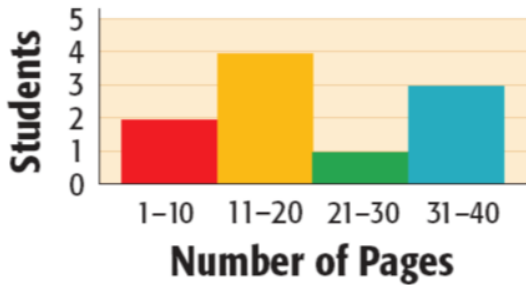
5	20	8	14	16	15	11	24	23	7	12	17	8	18	16	7
7	6	10	6	9	6	20	18	12	21	23	9	15	16	9	10

12. Create a frequency table

13. Create a Histogram

Answer questions about the following histogram

Number of Pages Read per Student Last Weekend



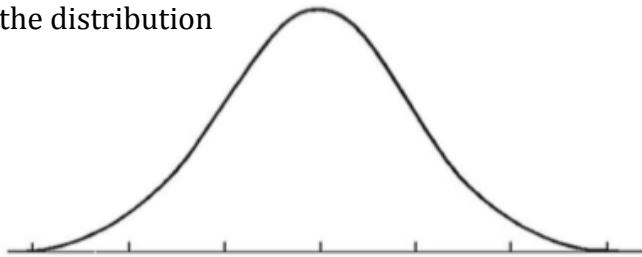
14. How many total students are there?

15. How many students read between 21 and 40 pages?

16. How many students read less than 20 pages?

Test scores on a college entrance exam follow a normal curve and have a mean of 400 and a standard deviation of 50.

17. Sketch the distribution



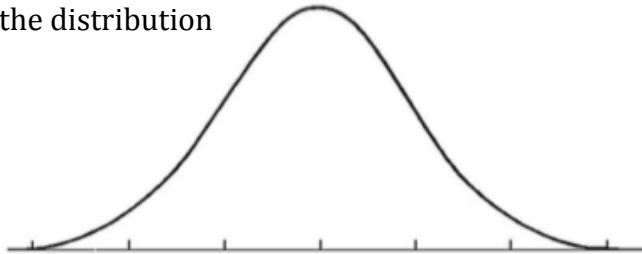
18. What percent of students scored between 350 and 450?

19. What percent of students scored below 250?

20. What scores represent 68% of the data?

The weight of a group of newborns is normally distributed with a mean of 7.6 and a standard deviation 1.2 pounds.

21. Sketch the distribution



22. What percent of newborns weight between 7.6 and 10 pounds?

23. What percent of newborns have a weight less than 4 pounds?