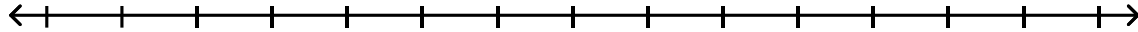


Assignment: T4-67 Statistical Plots

Make dot plots of the following data sets:

1. Ages of kids at a party:

13, 14, 14, 13, 15, 15, 15, 16, 14, 7, 16, 19, 17, 15, 17, 15, 15, 14, 18



2. Ages of students in a college class:

18, 21, 24, 22, 19, 23, 18, 19, 20, 17, 23, 19, 18, 21, 22, 19, 19, 20, 21

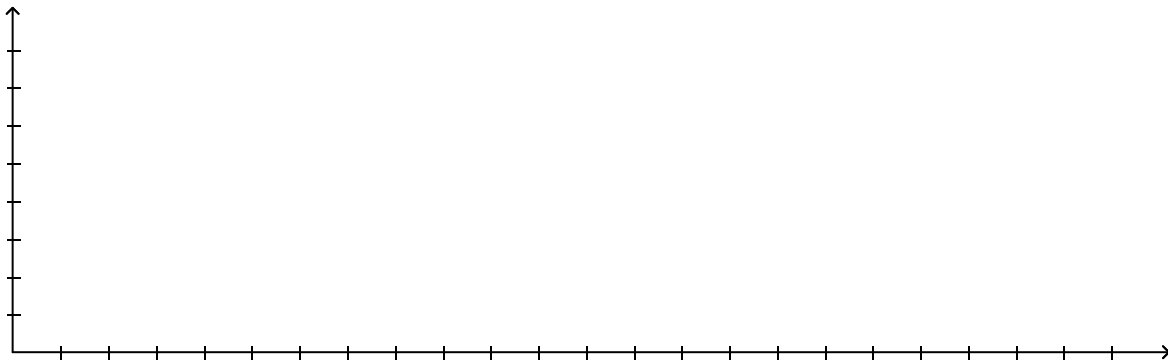


3. Do either of the sets have outliers?

4. Compare the graphs of the two data sets. How do the ages of the kids at the party compare to the ages of the students in the college class?

5. Make a histogram of the number of stories in the tall buildings that Ashley has visited:

88, 88, 110, 88, 80, 69, 102, 78, 70, 55, 12, 79, 85, 80, 100, 60, 90, 77, 55, 75

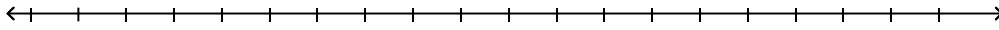


6. Does the data have any outliers?

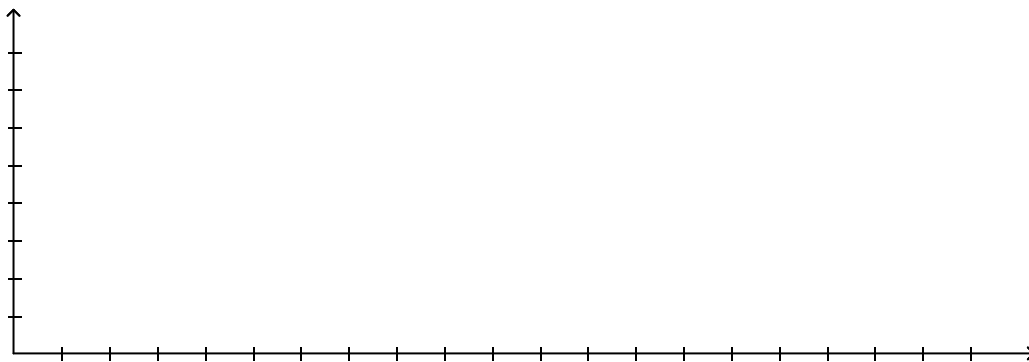
Use the following data showing the number of degrees over 100 degrees that is the highest temperature recorded in various states to do the following:

12, 10, 7, 16, 20, 0, 18, 12, 8, 13, 27, 17, 14, 10, 20

7. Make a dot plot of the data.



8. Make a histogram of the data.



9. How are the dot plot and the histogram the same?

10. How are they different?

Review:

11. $5 + [4 \cdot 3(2 + 1)]$

12. $21 \div 3 + (2 \cdot 5 + 4^2)$

13. $\frac{(6-3)^2 + 2}{5(2-1)}$

14. $\frac{12 \div 2 \cdot 3}{20 - 10 - 4}$

15. $12 \div 2 \cdot 2 - 1$

16. $\frac{9 + 3 - 5}{2 \cdot 3 + 8}$