

9.1 BOOKWORK ANSWERS WITH WORK (PG. 394-395 #8-13 AND #17)

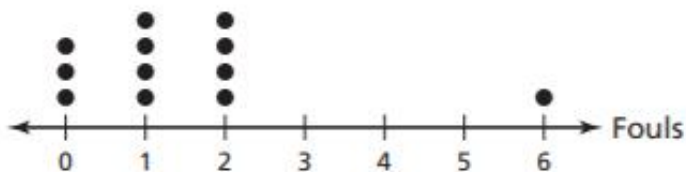
8. yes; You would expect a variety of eye colors of sixth grade students.

9. no; There is only one correct answer.

10. yes; You would expect a variety of numbers of pages.

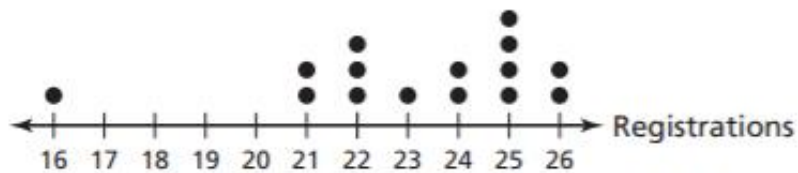
11. yes; You would expect a variety of numbers of hours.

12.



Most of the data are clustered around 1. There are peaks at 1 and 2. There is a gap between 2 and 6.

13.



Data are clustered around 22 and around 25. There is a peak at 25. There is a gap between 16 and 21.

17. a. Because there are 21 data values on the dot plot, there are 21 earthworms.

b. *Sample answer:* You can collect these data with a ruler. The units are centimeters.

c. *Sample answer:* "How long is an earthworm?" An earthworm is between 15 and 28 centimeters long. There are no clusters in the data. There is a peak at 23.