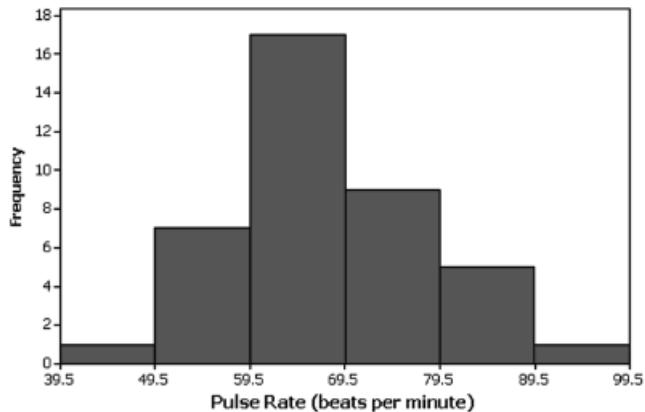
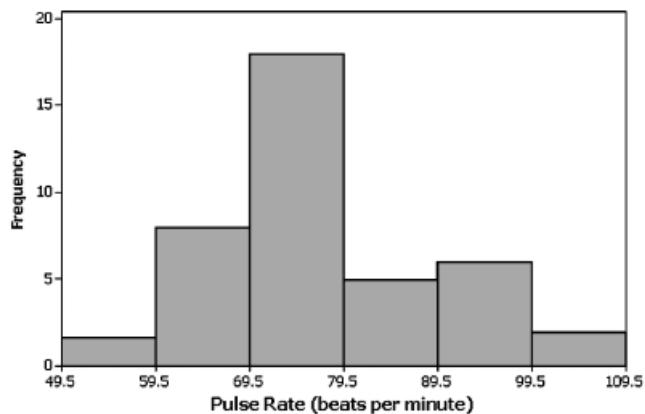


Section 2-3

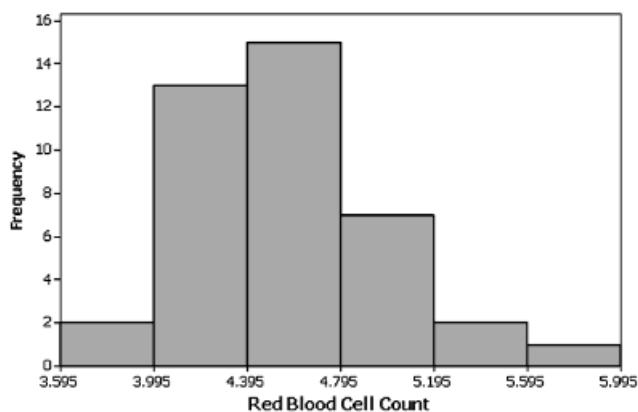
11. The histogram does appear to depict a normal distribution. The frequencies increase to a maximum and then tend to decrease, and the histogram is symmetric with the left half being roughly a mirror image of the right half.



12. The histogram appears to roughly approximate a normal distribution. The frequencies generally increase to a maximum and then tend to decrease, and the histogram is symmetric with the left half being roughly a mirror image of the right half.

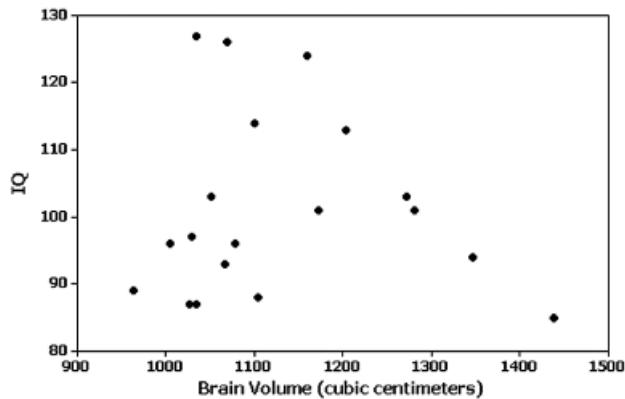


16. The histogram appears to roughly approximate a normal distribution. The frequencies increase to a maximum and then tend to decrease, and the histogram is symmetric with the left half being roughly a mirror image of the right half.

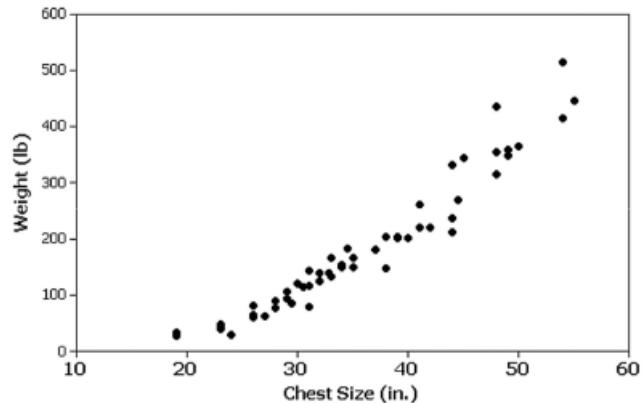


Section 2-4

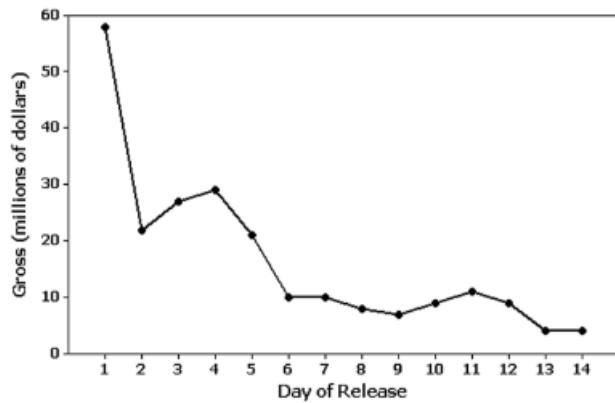
6. The configuration of the points does not support the hypothesis that people with larger brains have larger IQ scores.



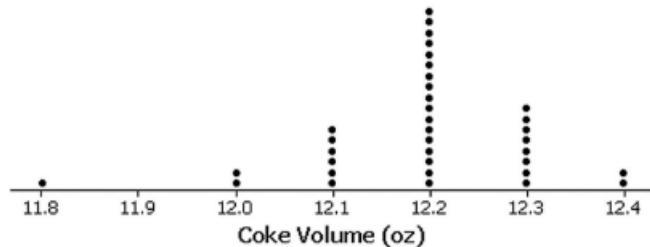
7. Yes. There is a very distinct pattern showing that bears with larger chest sizes tend to weigh more.



9. The first amount is highest for the opening day, when many Harry Potter fans are most eager to see the movie; the third and fourth values are from the first Friday and the first Saturday, which are the popular weekend days when movie attendance tends to spike.



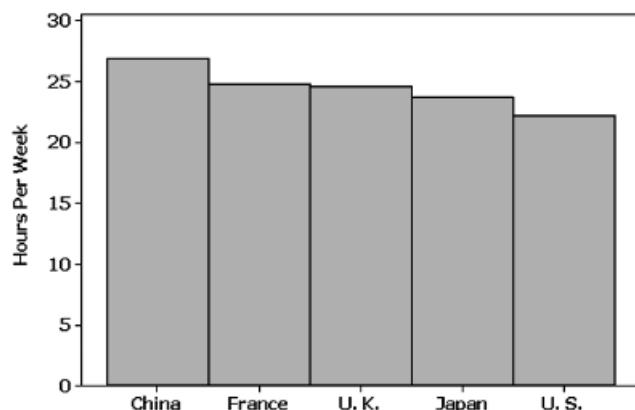
11. Yes, because the configuration of the points is roughly a bell shape, the volumes appear to be from a normally distributed population. The volume of 11.8 oz. appears to be an outlier.



14. There are no outliers. The distribution is not dramatically far from being a normally distribution with a bell shape, so there is not strong evidence against a normal distribution.

12 | 6 8
13 | 1 2 3 4 5 5 6 6 6 7 7 8 9 4
14 | 0 0 0 3 3 5

16. To remain competitive in the world, the United States should require more weekly instruction time.



22. The fare doubled from \$1 to \$2, but when the \$2 bill is shown with twice the width and twice the height of the \$1 bill, the \$2 bill has an area that is four times that of the \$1 bill, so the illustration greatly exaggerates the increase in fare.