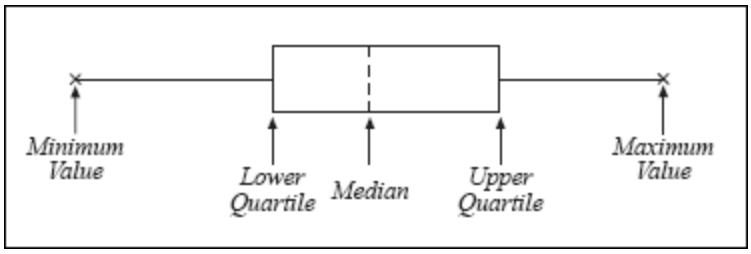
Practice Question 1.

A box and whisker plot based on the minimum and maximum values, the upper and lower quartiles and the median. This type of plot provides a good way to compare two or more samples.



1. Given the information below, draw a box and whisker plot.

Minimum	82
Lower quartile	94
Median	95
Upper quartile	102
Maximum	110

2. Draw a box and whisker plot for this sample:

5 7 1 9 11 22 15

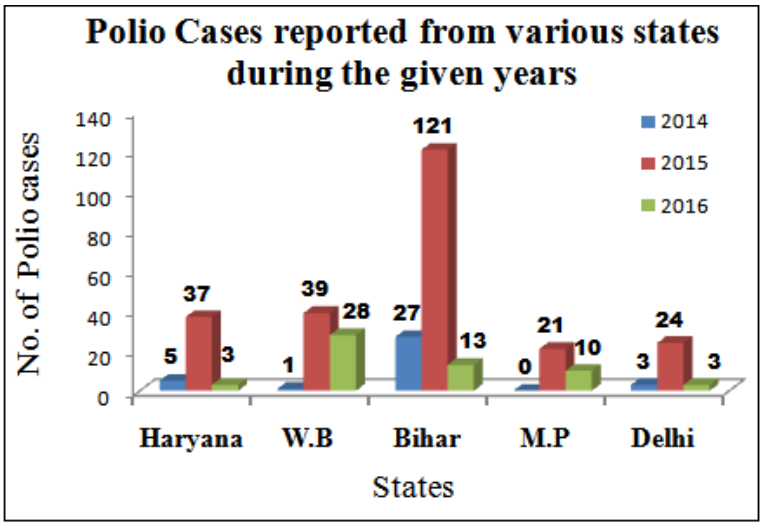
3. Draw a box and whisker plots for a sample that has:

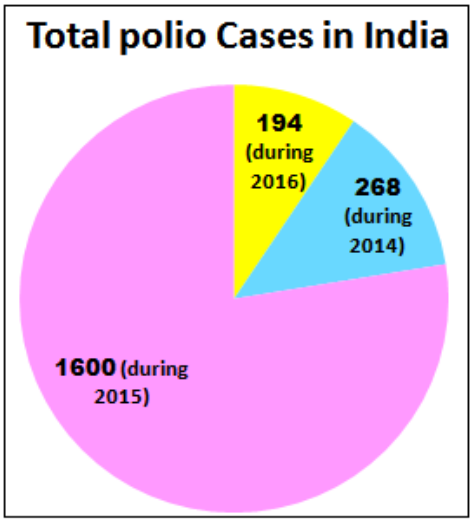
Minimum	10
Lower quartile	14
Median	16
Upper quartile	20
Maximum	29

4. Draw a box and whisker plots for the following sample:

17 22 18 33 14 36 39 41 25 31 18 19 16 21 21

5. Create a histogram for the following data
   Average gas mileage in miles/gallon:
   24,17,14,22,25,26,38,42,24,12,28,19,32,21,35,28,21,31,18,19
6. Draw a relative frequency histogram from the given data.
   34,40,52,57,57,60,60,63,67,69,69,69,71,89
7.

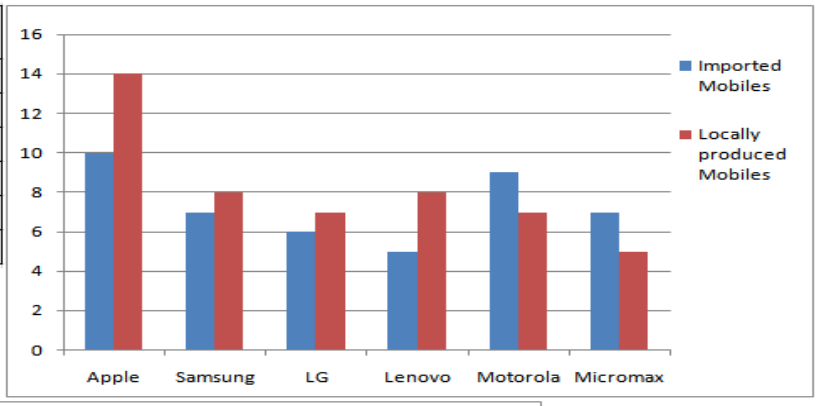


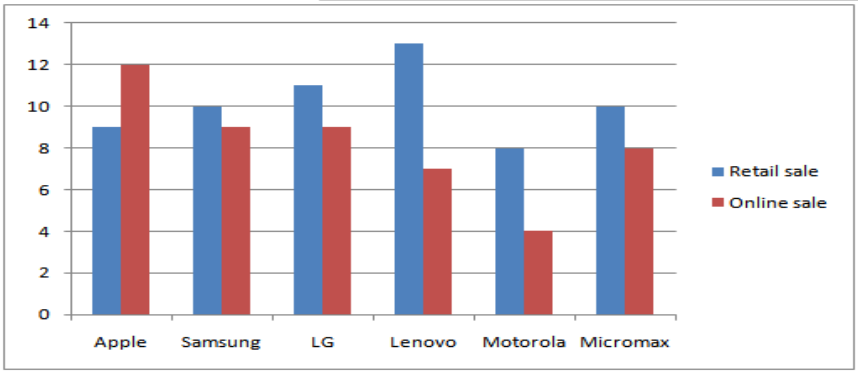


What is the difference between the average number of polio cases of the given states in 2015 and that in 2016?

8.

Mobile Phones	Total Volume of Mobiles
Apple	1,400,000
Samsung	1,120,000
LG	840,000
Lenovo	800,000
Motorola	1,260,000
Micromax	700,000





a. What is the difference between Maximum value of mobiles - Sold in Online and the Minimum value of mobiles - Sold in Online?

b. What is the difference between Maximum value of mobiles - Sold in Retail and the Minimum value of mobiles - Sold in Retail?

c. What is the difference between Minimum value of Locally produced Mobiles and the Minimum value of Imported Mobiles?

d. What is the Percentage of Locally produced Mobiles in the overall volume?

9.