1. The students of Hugh Logan’s math class took the Scholastic Aptitude Test. Their math scores are shown below. Find the mean score.

552 593 358 352 537

349 357 596 470 482

1. The salaries of ten randomly selected physicians are shown below. Find the median salary.

$105,000 $149,000 $163,000 $214,000 $225,000

$116,000 $111,000 $791,000 $240,000 $178,000

1. Find the mode(s) for the given sample data.

20, 43, 46, 43, 49, 43, 49

1. The mathematics SAT scores of the seven students in a mathematics seminar are 533, 553, 578, 586, 619, 626, and 633. Suppose that the student with the score of 533 drops the seminar and is replaced by a student with a score of 765. What will happen to the mean and the median scores of the class? Explain.
2. Suppose there are 400 students in your school class. What class rank is the 20th percentile?

6)

Look at the above distribution. What type is it and why?

1. What is the range and standard deviation for the following data:

2, 6, 15, 9, 11, 22, 1, 4, 8, 19

1. Use the following data to figure determine 1) the five number summary and 2) create a boxplot.

2.5, 3.3, 4.2, 5.9, 6.8, 7.2, 7.7, 8.5, 9.2, 9.9, 10.5