Statistics and Probability

Give the mean, median, and mode for the data set.

1)   A group of students score on a test as follows: 78, 97, 81, 88, 62, 92, 81.

2)   John's rushing totals for the last seven football games are as follows:
123, 96, 145, 108, 88, 161, 104

A stained glass window has eighteen panes. Four are red, five are blue, seven are gold, and two are orange. A little boy hits a baseball through one of the panes. Give the answer as a fraction, a decimal, and a percentage.

3) What is the probability the pane is red?

4) What is the probability the pane is blue?

5) What is the probability the pane is gold or blue?

6) What is the probability the pane is orange or red?

7) John parks his car in the lot with 7 other cars. Lightning strikes a car in the parking lot. What is the probability that it was John's car that was struck? Give the answer as a fraction, a decimal, and a percentage.