

For Problems 1 and 2, list the five number summary for the data, labeling each of the five numbers with the appropriate symbol such as “min” or “ Q_3 ”. Also list the sample size (n), sample mean ($\bar{x}$), and sample standard deviation (s).

1) 1.18 1.41 1.49 1.04 1.45 0.74 0.89 1.42 1.45 0.51 1.38

2) 138 130 135 140 120 125 120 130 130 144 143 140 130 150

3) You flip a coin seven times, what is the probability of getting exactly 4 heads? State n , p , q , and x , write out the equation you would use to solve this problem but then you can solve it using technology.

Example for problems 4-5 following problems: You roll a dice five times, what is the probability of rolling 3 fives or 4 fives?

Solution: $n=5$ $p=1/6$ $q=5/6$ $x=3$ or $x=4$ $P(3)+P(4)=.563$

4) You flip a coin eight times, what is the probability of getting at most 4 heads?

5) You flip a coin eight times, what is the probability of getting less than 4 heads?

6) You flip a coin nine times, what is the probability of getting between 3 and 5 heads?