

Problem Set

1. The data below are the number of goals scored by a professional indoor soccer team over its last 23 games.

8 16 10 9 11 11 10 15 16 11 15 13 8 9 11 9 8 11 16 15 10 9 12

- Make a dot plot of the number of goals scored.
 - What number of goals describes the center of the data?
 - What is the least and most number of goals scored by the team?
 - Over the 23 games played, the team lost 10 games. Circle the dots on the plot that you think represent the games that the team lost. Explain your answer.
2. A sixth grader rolled two number cubes 21 times. The student found the sum of the two numbers that he rolled each time. The following are the sums for the 21 rolls of the two number cubes.

9 2 4 6 5 7 8 11 9 4 6 5 7 7 8 8 7 5 7 6 6

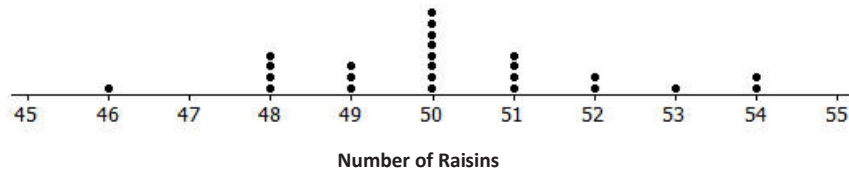
- Complete the frequency table.

Sum Rolled	Tally	Frequency
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

- What sum describes the center of the data?
- What sum occurred most often for these 21 rolls of the number cubes?

3. The dot plot below shows the number of raisins in 25 small boxes of raisins.

Dot Plot of Number of Raisins



- a. Complete the frequency table.

Number of Raisins	Tally	Frequency
46		
47		
48		
49		
50		
51		
52		
53		
54		

- b. Another student opened up a box of raisins and reported that it had 63 raisins. Do you think that this student had the same size box of raisins? Why or why not?