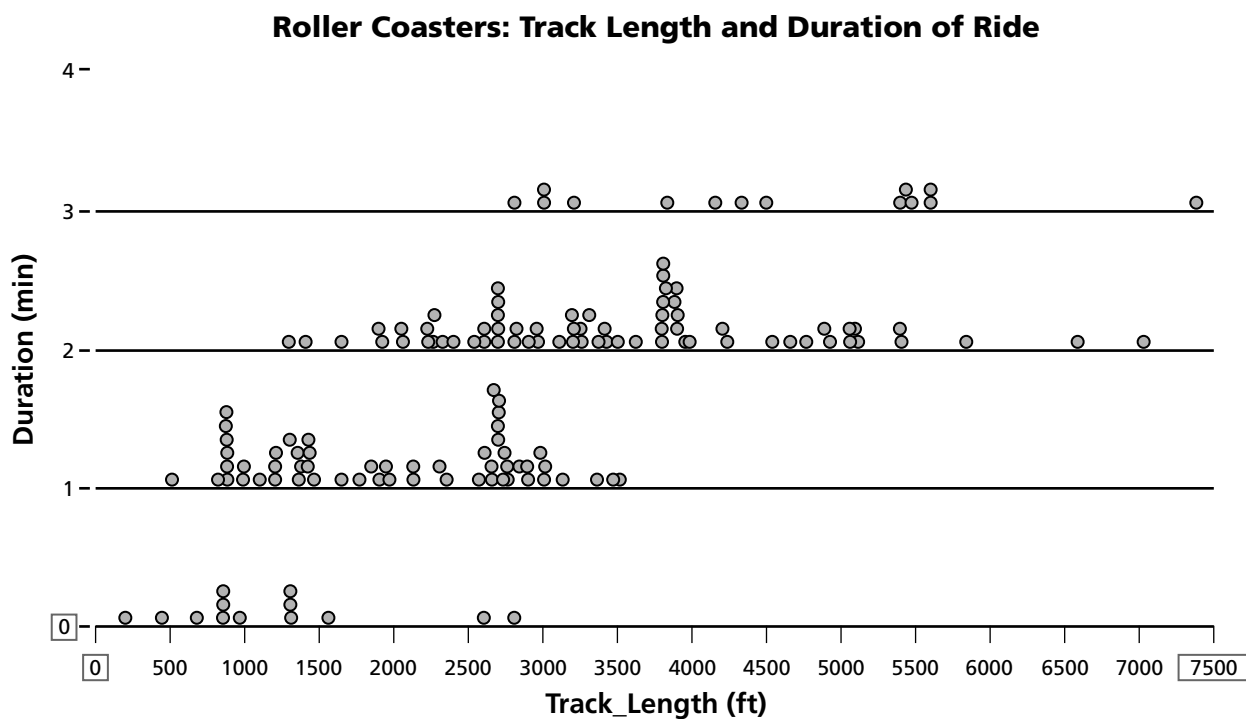


Additional Practice *(continued)*

Investigation 4

Data Distributions

2. Look at the graph showing track length and duration of rides for 150 roller coasters. Write three observations about the relationship between track length and duration of ride.



Additional Practice *(continued)*

Investigation 4

Data Distributions

3. a. Use the table. When was the difference in numbers of boys and girls the greatest? The least?

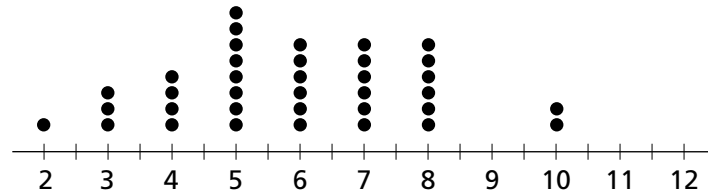
b. When was the difference in the percent of boys and girls the greatest? The least?

4. Edwin was playing a game but wondered if the number cubes he was using were fair. He rolled the suspicious number cubes 36 times and found the sum of the two numbers on the top faces. Then he compared the results to rolls of fair number cubes that had been completed in his mathematics class.

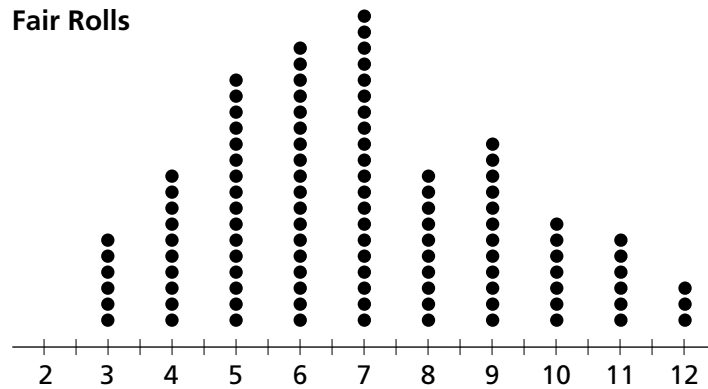
Participation in Scouts (millions)

	Boys	Girls
1970	4.7	3.2
1975	3.9	2.7
1980	3.2	2.3
1985	3.8	2.2
1990	4.3	2.5
1995	4.3	2.5

Suspicious Rolls



Fair Rolls



a. Write three statements comparing the distribution of sums for the two sets of number cubes.

b. Do you think the suspicious number cubes are fair? Explain your answer.