Big Idea 3

Learning Activity 4

Questions:

1. What effect does temperature and wind speed have on the ozone levels?
2. What percent of the days in these data had ozone levels that exceeded the EPA limit of 120 ppb?
3. What percent of the days in these data had an ozone level that is potentially dangerous for people with asthma?

Answers:

1. As temperature increases the ozone level also increases and as the wind increases the ozone level decreases.
2. 3 days have exceeded the EPA limit of 120ppb which is 2.5% of the days.
3. 27.5% of the days had an ozone level above 50ppb.