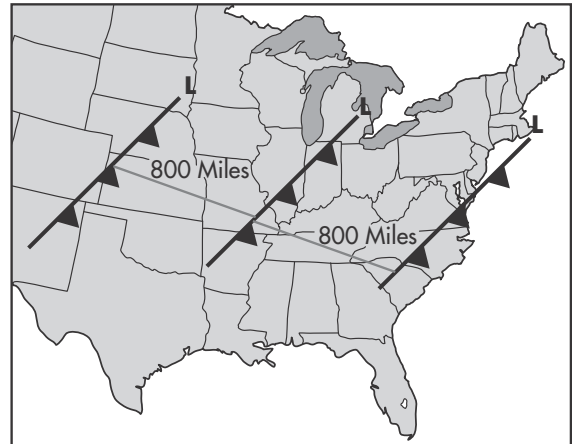


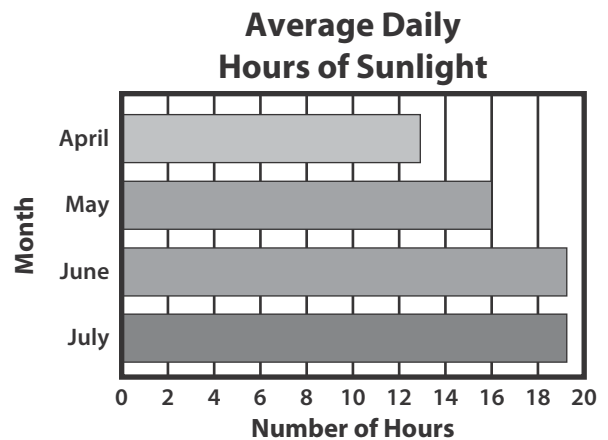
Weather Forecast

Did You Know? There are many different methods used to forecast the weather. However, meteorologists always use math to help create their forecasts!

If a cold front moves 800 miles in a day, the forecaster might predict it will move another 800 miles the next day. This method works when the weather system the cold front is a part of moves at the same speed and in the same direction.



Meteorologists also use data from previous years to predict upcoming weather patterns. A meteorologist researched the hours of sunlight in some months from the previous year. She created the graph at the right to help her.



1 What was the average number of hours of sunlight for days in April? **13 hours**

2 How many more average daily hours of sunlight were there in June than in April?

6 more hours

3 Which months received the same daily average hours of sunlight? Explain.

June and July; Their bars have the same values.

4 How would you write a forecast for the hours of sunlight for this coming May?

Sample answer: Based on data from previous years, we can expect about 16 hours of sunlight per day in May.

5 **Extension** Record the daily high and low temperatures in your town for one week. Use your data to make a temperature forecast for the same week next year.

Check students' work.