

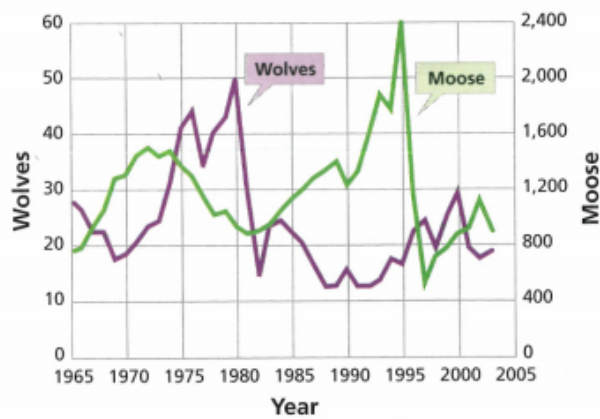
**Math** Analyzing Data

**Predator-Prey Interactions**

On Isle Royale, an island in Lake Superior, the populations of wolves (the predator) and moose (the prey) rise and fall in cycles. Use the graph to answer the questions.

1. **Reading Graphs** What variable is plotted on the x-axis? What two variables are plotted on the y-axis?
2. **Interpreting Data** How did the moose population change between 1965 and 1972? What happened to the wolf population from 1973 through 1976?
3. **Inferring** How might the change in the moose population have led to the change in the wolf population?
4. **Drawing Conclusions** What is one likely cause of the dip in the moose population between 1974 and 1981?

**Wolf and Moose Populations on Isle Royale**



5. **Predicting** How might a disease in the wolf population one year affect the moose population the next year?