



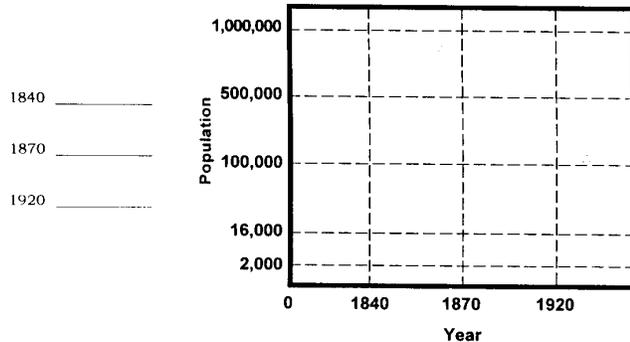
Plotting Populations

Why Study Populations?

The population of Los Angeles changed dramatically between 1840 and 1920. How did Los Angeles change when new groups of people came to California? How did it change after California became a state in 1850? You can use a line graph to see what happened over time to the number of people in Los Angeles. A line graph shows facts in a way that is easy to read and understand.

How Does It Work?

The graph on this page will tell you how many people lived in Los Angeles in different decades. The numbers along the left of the graph stand for thousands of people. The numbers along the bottom of the graph show dates. To figure out how many people lived in Los Angeles in 1840, find out the population number from your "The 1840s". Once you know the number, find 1840 on the bottom. Follow the 1840 line up until you come to the number of people living in Los Angeles. Put a dot there on the line. Follow the same directions for the 1870s and the 1920s. Once you have completed plotting the population of Los Angeles for the 1840s, 1870s, and the 1920s, draw a line connecting the dots.



The Results

What facts does this graph give you about the population of Los Angeles? How did the population change from 1840 to 1870? How did it change from 1870 to 1920? What do you think happened between 1840 and 1920 to change the population?

Plotting Populations Lesson Plan

Objective:

1. To read a line graph showing how the population of Los Angeles changed between 1840 and 1920

Time: 20-30 minutes

Materials:

1. "Plotting Populations" activity sheet
2. "The 1840s", "The 1870s", and "The 1920s"
3. Pencils

Directions:

1. **Distribute** the "Plotting Populations" activity sheet.
2. Have students **read** about plotting populations and its importance.
3. Have students **look at their decade history summaries** and find the population for each of the three decades. Students may put their population answers in the blanks provided on their "Plotting Populations" activity sheet.
4. Students may now **mark dots** in the correct location and draw a line indicating how the population of Los Angeles grew between 1840 and 1920.
5. After students have finished, **discuss the answers** to the problems (see Answer Key). Also discuss as a class what the growing population in Los Angeles means and how that population affects Los Angeles today.

Additional activity:

1. **Graphs:** Have students look in a newspaper or magazine for a line graph. What is the graph's title? What numbers are along the left of the graph? What numbers are along the bottom? What facts do the slanting lines give? What changes do the lines show?

Links to standards

History/Social Studies: 4.4.3, 4.4.4, 4.4.6

Language Arts: RI.4.7, RF.4.3, RF.4.4a&c

Math: 4.MD 4, MP1, MP2

Science: IE—6e



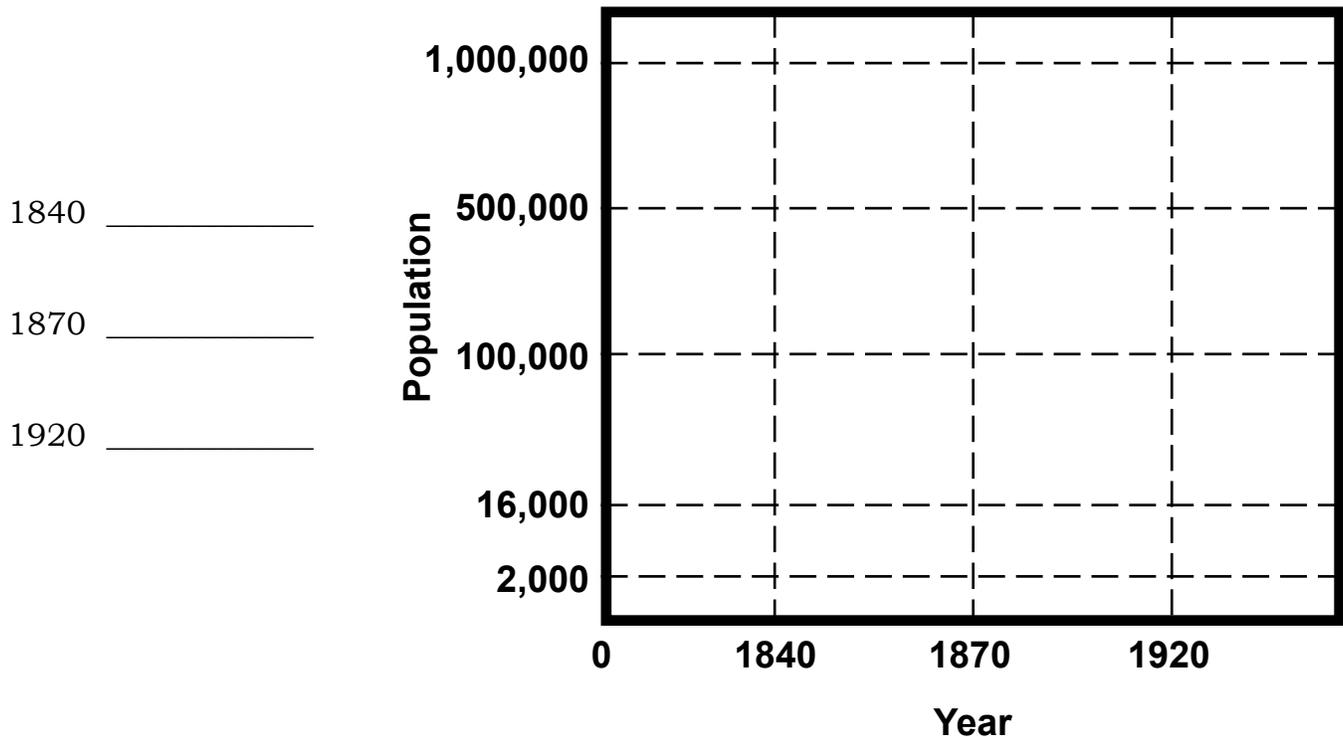
Plotting Populations

Why Study Populations?

The population of Los Angeles changed dramatically between 1840 and 1920. How did Los Angeles change when new groups of people came to California? How did it change after California became a state in 1850? You can use a line graph to see what happened over time to the number of people in Los Angeles. A line graph shows facts in a way that is easy to read and understand.

How Does It Work?

The graph on this page will tell you how many people lived in Los Angeles in different decades. The numbers along the left of the graph stand for the number of people. The numbers along the bottom of the graph show dates. To figure out how many people lived in Los Angeles in 1840, find out the population number from your "The 1840s." Once you know the number, find 1840 on the bottom. Follow the 1840 line up until you come to the number of people living in Los Angeles. Put a dot there on the line. Follow the same directions for the 1870s and the 1920s. Once you have completed plotting the population of Los Angeles for the 1840s, 1870s, and the 1920s, draw a line connecting the dots.



The Results

What facts does this graph give you about the population of Los Angeles? How did the population change from 1840 to 1870? How did it change from 1870 to 1920? What do you think happened between 1840 and 1920 to change the population?



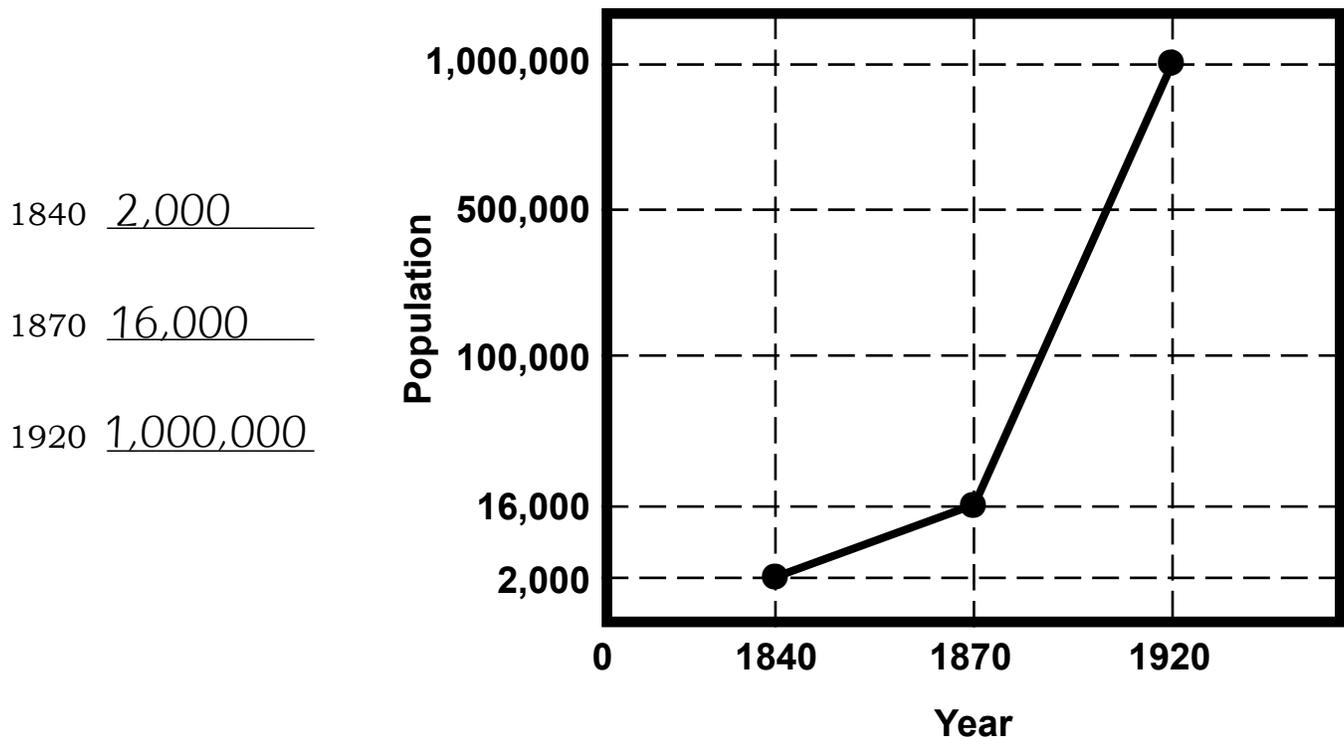
Plotting Populations

Why Study Populations?

The population of Los Angeles changed dramatically between 1840 and 1920. How did Los Angeles change when new groups of people came to California? How did it change after California became a state in 1850? You can use a line graph to see what happened over time to the number of people in Los Angeles. A line graph shows facts in a way that is easy to read and understand.

How Does It Work?

The graph on this page will tell you how many people lived in Los Angeles in different decades. The numbers along the left of the graph stand for the number of people. The numbers along the bottom of the graph show dates. To figure out how many people lived in Los Angeles in 1840, find out the population number from your "The 1840s." Once you know the number, find 1840 on the bottom. Follow the 1840 line up until you come to the number of people living in Los Angeles. Put a dot there on the line. Follow the same directions for the 1870s and the 1920s. Once you have completed plotting the population of Los Angeles for the 1840s, 1870s, and the 1920s, draw a line connecting the dots.



The Results

What facts does this graph give you about the population of Los Angeles? How did the population change from 1840 to 1870? How did it change from 1870 to 1920? What do you think happened between 1840 and 1920 to change the population?
Sample answers: pioneers; Gold Rush; jobs; climate; better life.