

**DePaul Center for Urban Education
Chicago Math Connections**

This project is funded by the Illinois Board of Higher Education through the
Dwight D. Eisenhower Professional Development program

Topic: Cook County Immigration

Goal(s): 6,8,10

**Skills: Calculating percents and percent change and
Graphing data**

What's the context?

Analyzing numbers of immigrants admitted into Cook County from 1986-1996

Which data will students use?

Cook County Immigration

What will students learn from this project?

Know how – what will they be able to do better?

Calculate percents and percent change

Plot numbers on a line graph

Know what – what idea(s) will they clarify through the project?

Gain an understanding of patterns and trends in a set of numbers by analyzing percentages and by creating visual representations of these patterns and trends on a line graph.

What's the challenge?

1). Analyze the immigration data for Cook County to find patterns or trends.

2). Calculate the percent change in the number of immigrants admitted into Cook County for each year throughout the decade.

3). Create a line graph to visually represent the change that has taken place over time.

- The years should be plotted along the bottom horizontal line of the graph and the numbers of immigrants admitted should be labeled along the left vertical edge of the line graph.

- It is important find an appropriate range of numbers to include on the vertical axis and students should explore ways to round off numbers to make plotting data on the line graph easier.

Checkpoint: Students can pair up and check their calculations for percent change. Write a paragraph to describe any patterns or trends visible on the line graph, remember to tell if it possible to use this line graph to make predictions about future immigration patterns.