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: Ethnic diversity in Chicago
Goal: 6,8,10
Skills: Changing percents into decimals, representing data on a circle graph.

What's the context?
Discovering percentages of ethic populations in Chicago.

Which data will students use?
Illinois Census Data

What will students learn from this project?

Know how – what will they be able to do better?
Change Percentages into decimals.
Create circle graphs

Know what – what idea(s) will they clarify through the project?
Understanding the relationship between percents and decimals.
Creating visual representations of proportions on circle graphs.

What's the challenge?
1). Change the percentages given for each ethnic group in Illinois to decimals
2). Use these decimals to calculate the total number of people within each ethnic group in Illinois. For example, a given percentage of 12.**5** % translates into **.**125, which is then multiplied by the total population of Illinois to give you the number of individuals in that particular ethnic group.
3). Use the above percentages to create a circle graph to show proportions of each type of ethnic group.

Checkpoints: Exchange calculations with peers. Peers will add the total number given for each ethnic group to see if the sum equals the total population of Illinois. Report findings to classmates and check circle graph for clarity.