

**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: Chicago Park Facilities**

**Goal(s): 6,8,10**

**Skills: Organizing, analyzing, graphing and interpreting data, and Creating fractions**

**What's the context?**

Chicago Park District facilities.

**Which data will students use?**

Park Facilities

**What will students learn from this project?**

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

Calculate ratios and proportions

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

Categorize and organize information about Chicago park facilities.

**What's the challenge?**

- 1). Add the total number of park facilities in Chicago
- 2). Choose five of your favorite activities.
- 3). For each of your favorite activities count the number of facilities within the park district that offer that activity, and calculate that number as a fraction of the total number of park facilities.
  - For example if 30 park facilities out of a total of 50 offer basketball, this translates into  $30/50$ ... or  $3/5$
- 4). Create a circle graph with your fractions to show proportional relationships.

**Checkpoint:** Exchange your paper with someone who has at least 2 different favorite activities and check each other's work for accuracy and help with any changes needed. Write a brief summary of the most accessible activities in Chicago's park system.