Area and Perimeter

Math – Grade 4-6

Students measure the length of their foot and then use that new unit of measurement to calculate the perimeter and area of outdoor spaces.

Materials:

- Measuring tape

- Pens or pencils, or responsible use of technology (i.e. using iPod touch or mobile computing device to record data).

- Print outs of the chart on the following page

Instructions:

1. Each student measures their foot from toe to heel, then round to the nearest inch.

2. Based on their foot measurement, they estimate the perimeter and the area of a basketball court or other outdoor space.

3. Then the student calculates the perimeter around the court by measuring the length and width in "feet."

4. Using those measurements, students find the area of the court.

5. Students record their data on a chart (see following page).

Foot length in inches=

	Estimate	# of your feet	Calculated distance
Length of court			
Width of court			
Perimeter			

Area of court=