Measuring $\pi$

1. Measure the distance around a pie with string. Find out how long a piece of string is needed to go all the way around.

2. Measure the distance across the same pie.

3. Divide the distance around the pie by the distance across the pie. That's $\pi$!
π Are Square?

π relates the area of a circle to its circumference.

1. Measure the area of the circle drawn on the graph paper by figuring out how many squares are shaded. Include your estimate of half and quarter squares.
2. Measure the distance from the center of the circle to the edge in squares; that's the radius.

3. Square the radius (multiply it times itself). Divide the measured area by this number. How close is your answer to $\pi$?