Name _____ Hour _____

π

Discovering Pi

Activity: *Pi...Where did we get this irrational number?*

Materials: circular objects, string, scissors, tape

To Do and Notice: With a partner, carefully wrap string around the *circumference* of your circular object. Cut the string when it is exactly the same length as the circumference. Now take your "string circumference" and stretch it across the *diameter* of your circular object. Cut as many "string diameters" from your "string circumference" as you can. How many diameters could you cut? Do this for several Objects. Compare your data with others. What do you notice? Fill out the chart below:

OBJECT	# OF DIAMETERS CUT	ESTIMATED FRACTION OF LEFT OVER