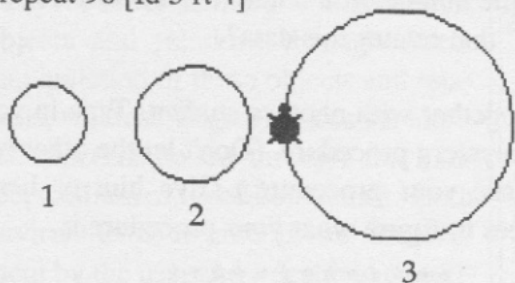


A better way to present the program challenge is to tell the students that circumference and diameter are related. Can you figure out what their relationship is?

Here are some Logo circles.

- 1) repeat 30 [fd 3 rt 12]
- 2) repeat 45 [fd 3 rt 8]
- 3) repeat 90 [fd 3 rt 4]

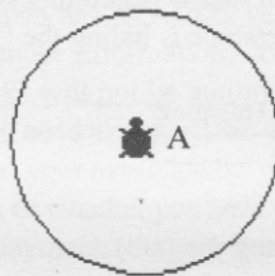


Fill in this chart:

"Formula"	Circum	Diameter
repeat 30 [fd 3 rt 12]	90	
repeat 45 [fd 3 rt 8]		
repeat 90 [fd 3 rt 4]		

Use the turtle to measure. Is there a relationship between diameter and circumference in a circle? How would you describe it? (Draw more circles if necessary.)

Challenge: Write a computer program that gets a turtle to draw a circle around a center A.



*Council for Logo & Technology in
Mathematics Educaiton
10 Bogert Avenue
White Plains, New York 10606*