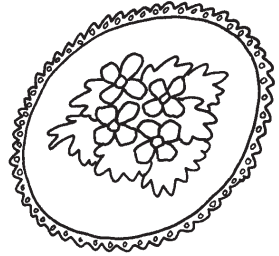


# Going around in Circles



## Homework

1. Estimate the diameter of a circle with a circumference of 120 centimeters. Then use the  $\pi$  key on your calculator to find a better estimate. Give your answer to the nearest tenth of a centimeter.
2. Felicia did some embroidery on a hoop with a diameter of 6 inches. She wants to put lace around the outside of her work. About how many whole inches of lace will she need?  

3. Nicholas has a square backyard that measures 100 feet by 100 feet. Nicholas wants to put a circular swimming pool in the backyard. What is the circumference and what is the diameter of the largest swimming pool possible that will fit in the backyard? Round your answer to the nearest foot. (Hint: Draw a picture.)

