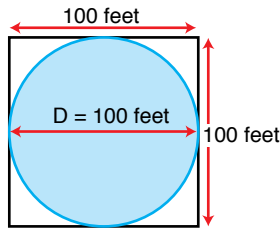## Student Activity Book

Going Around in Circles (SAB p. 445)
Homework
Questions 1–3

1. $120 \div 3 \approx 40$ cm; Using the calulator, $120 \div \pi = 38.2$ cm

2. 19 inches

3. The diameter of the largest swimming pool possible is 100 feet. So, the circumference is 314 feet.
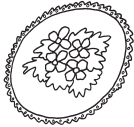

Teacher Guide

Gluing it Down (TG)
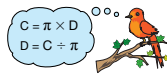### Questions 1–2

1. About 3

2. 3

Name _____ Date _____

Going Around in Circles
Homework

1. Estimate the diameter of a circle with a circumference of 120 centimeters. Then use the π 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 with she need?

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

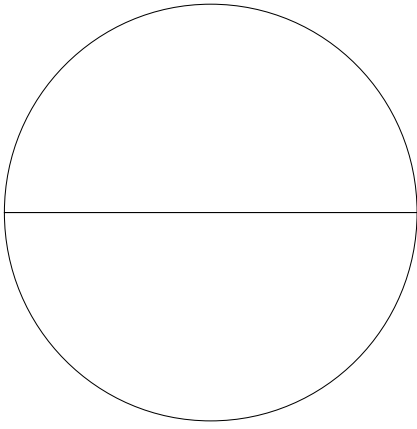$C = \pi \times D$
$D = C \div \pi$

Explore Circumference and Diameter   SAB · Grade 5 · Unit 11 · Lesson 5 **445**

Student Activity Book - **Page 445**

Name _____ Date _____

Gluing It Down

You will need glue, scissors, and string to complete this page. Cut several pieces of string that are the same length as the diameter of the circle below. Glue or tape the pieces of string around the circumference of the circle.

1. How many diameters are needed to fit around the circumference?

2. Lin did this activity with a smaller circle. She cut several pieces of string the length of the diameter of a smaller circle and glued them around the circumference of the smaller circle. How many pieces of string did Lin glue around her circle?

TG · Grade 5 · Unit 11 · Lesson 5   **Assessment Master**

Teacher Guide