

## Activity 16 — Radius, Diameter, and Circumference of a Circle

### Objectives

This activity is designed to help students discover the following relationships:

- ✓ *The radius is equal to half of the diameter.*
- ✓ *The ratio of circumference to the diameter is  $\pi$  (pi) or 3.14.*

### Vocabulary

circle  
diameter  
 $\pi$  (pi) or 3.14

radius  
circumference

### Prerequisites

Students must understand how to:

- ✓ *Label and measure segments.*

### Answers

6. The radius is half of the diameter.
12.  $\pi$  (pi).
13.  $\pi$  is equal to the circumference divided by the diameter.
14. Circumference is equal to  $\pi$  times the diameter.
15. Circumference is equal to 2 radii times  $\pi$ .

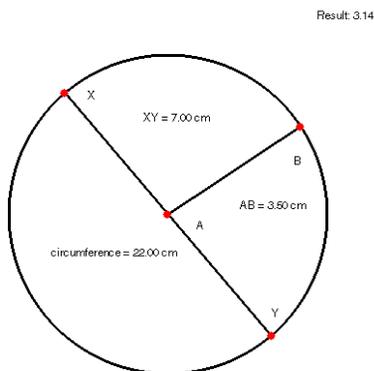


Figure A.13