Lesson 66: Identifying terms related to a circle.

Week 4

Objective: Identifies terms related to a circle.

Value Focus: Sportsmanship.

Prerequisite Concepts and Skills

- Identifying terms related to a circle.

Materials: PPT presentation

References: K to 12 Curriculum Guide, M5GE-IIId-23.2

Instructional Procedure:

A. Preliminary Activities

1. Drill

Post plane figures with curved edges on the board. Have the pupils identify which of these are circles. Explain their answer.

2. Review

What is a circle?

3.) Motivation

Solving different picture puzzles of different circles. The first group to form the puzzle wins.

Remind the pupils to be a good sport when playing a the game.

B. Developmental Activities

1. Presentation

Distribute the pages to the class.

Follow the Activity procedures:

- Construct a circle
- Draw the radius by constructing a segment from a point on the circle to the center of the circle
- Construct the diameter by drawing a segment from a point on the circle to another point on the circle, and passing through the center
- Measure the length of the radius and the diameter
- Observe that the length of the radius is half the length of the diameter

2. Performing the Activity

Review student results:

- As a class, discuss questions that appeared to be more challenging
- Re-teach concepts as necessary

3. Processing the Activities

Have the pupils observed the circle. Introduce the **Radius** and **Diameter** of a circle. Show examples of radius that are connected to the tangent and from a center. Use compass in drawing a circle.

4. Reinforcing the Concept Skill

a. Discuss the presentation on Explore and Discover on page ___ of LM in Math Grade 5

b. Ask the pupils to work on Get Moving on page ____ of LM in Math Grade 5

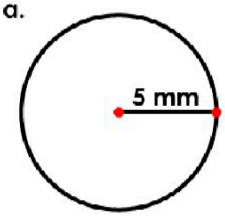
5. Summarizing the Lesson

- Radius is a line segment from the center to a point on the circle.
- A diameter is a line segment which passes through the center of a circle and whose endpoints are on the circle.
- The length of the radius is one-half the length of a diameter of a circle.

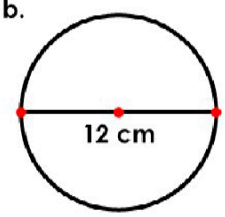
6. Applying to New and Other Situations

What is the radius and diameter of the following

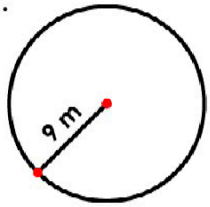
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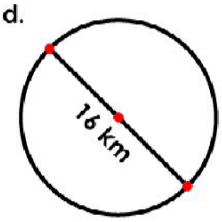
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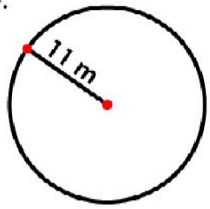
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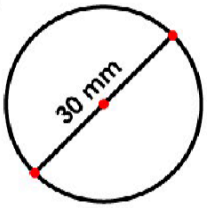
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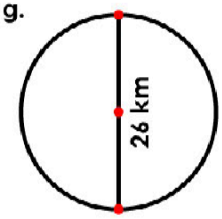
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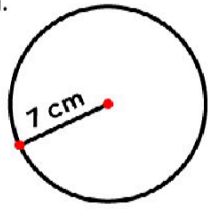
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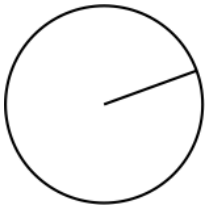
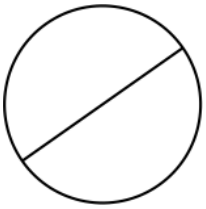
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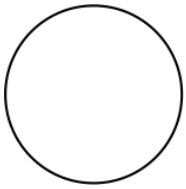
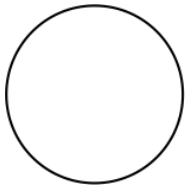


h.



C. Assessment

a.  r = 7.1 yd Calculate the diameter of the circle.	**b.**  d = 4.1 mm Calculate the radius of the circle.

c.  r = 8.1 ft Calculate the diameter of the circle.	**d.**  d = 4.6 mm Calculate the radius of the circle.

D. Home Activity

Remediation

Enrichment

For this activity you will need: *bubbles *construction paper *ruler *copy of the "bubble" booklet Students will blow a bubble or bubbles. Make sure to explain to them they only need one. They need to catch one bubble on the construction paper. When the bubble bursts, it will leave a dark circle from the liquid. They will then fill out the booklet that follows this page.