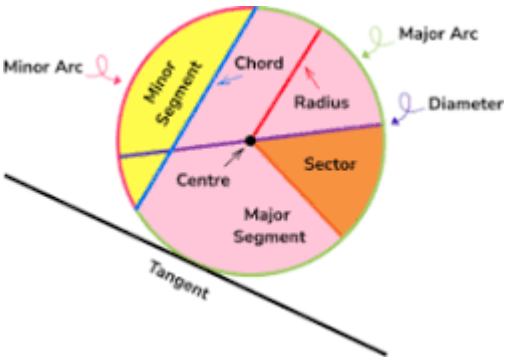
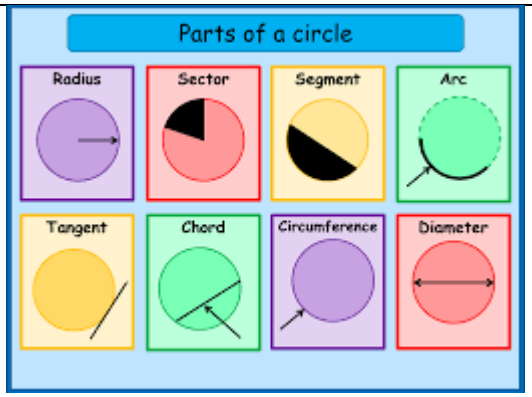
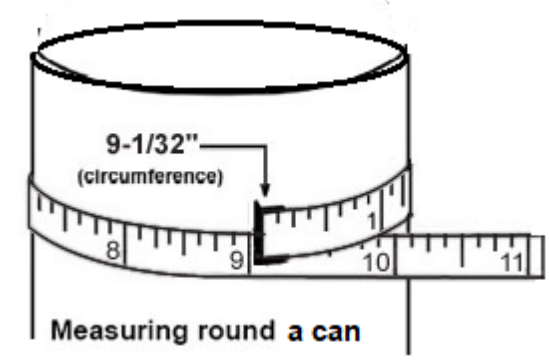
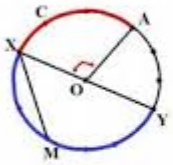
BASIC 7

WEEKLY LESSON PLAN – WEEK 5

Learning Indicator(s)	B7.3.2.1		
Performance Indicator	B7.3.2.1.2 Use the relationships between the diameter and circumference to deduce the formula for finding the circumference of a circle and use it to solve problems		
Week Ending	14-10-2022		
FORM	B.S.7		
Subject	Mathematics		
Reference	Teachers Resource Pack, Learners Resource Pack, Textbook.		
Teaching / Learning Resources	Circular Objects, Pictures, Tape measure, Rope.		
DAYS	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFECTION**
MONDAY **10-10-2022**	Discuss the meaning of Circumference with the Learners.	1. Learners brainstorm to identify the names of the parts of a Circle. 2. Assist Learners to draw a circle and label its parts.  	**Core Competencies;** 1. Ability to effectively define goals towards solving a problem 2. Identify important and appropriate alternatives **3.** Exhibit strong memory, intuitive thinking

			and respond appropriately .
TUESDAY **11-10-2022**	Review Learners Knowledge of the previous lesson.	1. Assist Learners to identify the measuring tools used for measuring the radius, diameter and circumference of a circular object. 2. Demonstrate measuring the radius, diameter and circumference of a circular objects. 3. Learners practice measuring the radius, diameter and circumference of circular objects like base or cross section of cylindrical objects.  	**Core Competencies;** 1. Identify important and appropriate alternatives 2. Exhibit strong memory, intuitive thinking; and respond appropriately

THURSDAY **13-10-2022**	Discuss with Learners the relationship between circumference and diameter of a circle.	1. Assist Learners to record measured diameter and circumference of various circles 2. Discuss with Learners how to use the relationship between diameter and circumference to solve problems. i. The radius of a circle is 140 cm. What is the (a) diameter (b) circumference? [Take π = 227] ii. Find the circumference of the circles below whose radii are given and round to the nearest tenth [take π = 3.142]: Objective - To solve problems involving circles. Circle - The set of infinite points equidistant from a center point.  $\overline{O}$ - Center $\overline{OA}$ - Radius- Segment or distance from center to circle. $\overline{XM}$ - Chord- Segment that connects one point on circle to another. $\overline{XY}$ - Diameter- Chord that passes through the center. $\overset{\frown}{XCA}$ - Arc - Piece of a circle. $\overset{\frown}{XMY}$ - Semicircle - Half of a circle. $\angle XOA$ - Central Angle - Angle whose vertex is the center.	**Core Competencies;** 1. Identify important and appropriate alternatives 2. Exhibit strong memory, intuitive thinking; and respond appropriately