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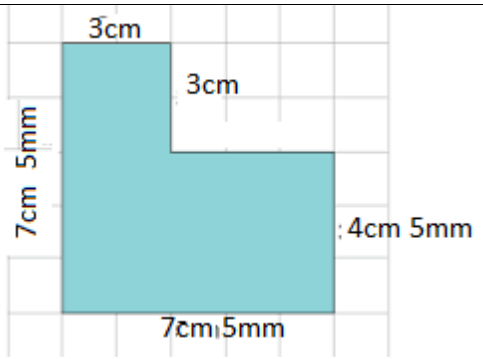
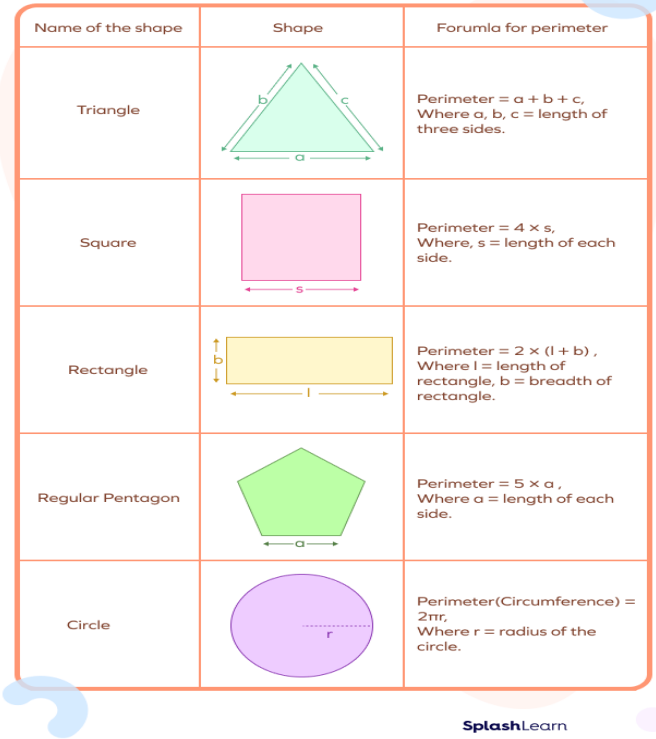
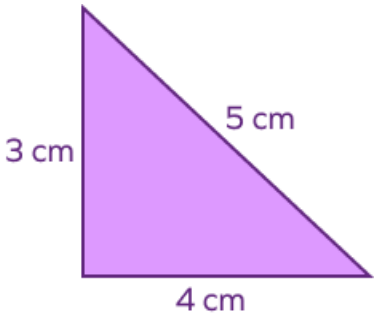
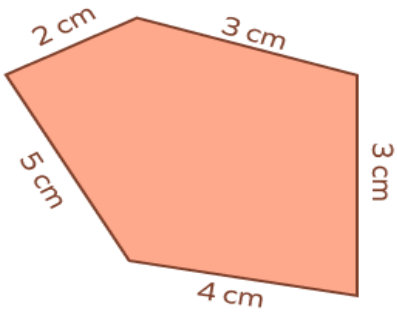
BASIC 7

WEEKLY LESSON PLAN – WEEK 4

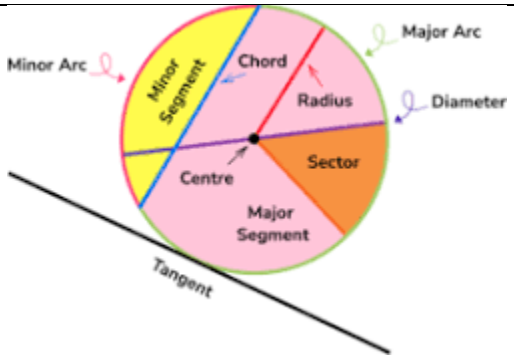
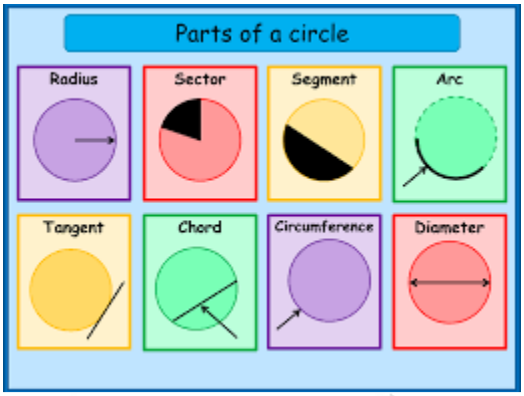
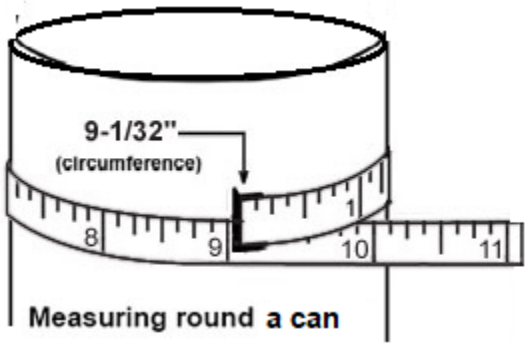
Strand:	Geometry and Measurement	**Sub-Strand:**	Measurement		
Content Standard:	B.7.3.2.1 Demonstrate the ability to find the perimeter of plane shapes including circles using the concept of pi (π) to find the circumference of a circle.				
Indicator (s)	B.7.3.2.1.1 Calculate the perimeter of given shapes whose dimensions are in two units (i.e. cm and mm, m and cm, or km and m) 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. B7.3.2.1.3 Draw in a square grid rectangles and triangles with given dimensions.	**Performance Indicator:** Learners can convert units from meters to centimeters and vice versa .			
Week Ending	21-07-2023				
Class	B.S.7	**Class Size:**		**Duration:**	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Charts, Poster, Pictures.	**Core Competencies:**	• Analyze and make distinct judgment about viewpoints expressed in an argument • Ability to effectively define goals towards solving a problem		

DAYS	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
MONDAY	Review Learners knowledge on finding perimeter of shapes	1. Assist Learners to calculate the perimeter of shapes with dimensions given in kilometers and meters. 2. Learners individually convert meters into kilometers. 3. Learners brainstorm to add distances around shapes. 4. Assist Learners to calculate the perimeter of a shape with dimensions given in cm and mm.	Discuss with Learners how to convert millimeters to decimal fractions in Centimeters.

		 To convert from millimeters to centimeters, divide the value in millimeters by 10. So, 1 mm = $^{1}/_{10}$ = $^{1}/_{10}$ = 0.1 cm (exactly). To get a fast approximate value, you can multiply the value in millimeters by 0.1. So, 1 mm = 1 × 0.1 = 0.1 centimeter	
TUESDAY	Review Learners Knowledge on how to convert from centimeters to meters.	1. Assist Learners to calculate the perimeter of a shape with dimensions given in m and cm 2. Demonstrate converting meters to decimal fractions in Centimeters. 3. Assist Learners to practice converting meters to decimal fractions. 	Through questions and answers, conclude the lesson. **Exercise;** 1. ***What is the perimeter of the given figure?***  2. Calculate the perimeter of the following figure. 

Meters	Centimetres
0.01 m	1 cm
0.02 m	2 cm
0.03 m	3 cm
0.04 m	4 cm
0.05 m	5 cm
0.06 m	6 cm
0.07 m	7 cm
0.08 m	8 cm
0.09 m	9 cm
0.1 m	10 cm
0.2 m	20 cm

THURSDAY	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. 3. Assist Learners to identify the measuring tools used for measuring the radius, diameter and circumference of a circular object. 4. Demonstrate measuring the radius, diameter and circumference of a circular objects.	Learners practice measuring the radius, diameter and circumference of circular objects like base or cross section of cylindrical objects

Name of Teacher: ***School:*** ***District:***