

School: DepEdClub.com Grade Level: V

Teacher: File created by Ma'am EDNALYN D. MACARAIG Learning Area: MATHEMATICS

Teaching Dates and Time: FEBRUARY 19 - 23, 2024 (WEEK 4) Quarter: 3RD QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I.OBJECTIVES					
A.Content Standards	The learner demonstrates understandin	g of polygons			
B.Performance Standards	The learner is able to construct and desc				
C.Learning Competencies/Objectives	Visualizes congruent polygons Code: M5GE-IIId-22,	Visualizes congruent polygons Code: M5GE- IIId-22	Visualizes and describes a circle Code: M5GE – IIId.23,	Identify the terms related to a circle Code: M5GE-IIId-23	Identifies the terms related to a circle Code: M5GE-IIId-23,
II.CONTENT	Visualizing Congruent Polygons	Visualizing congruent polygons	Visualizing and describing a circle	Geometry	Identifying the Terms Related to a Circle
III.LEARNING RESOURCES					
A.References					
1.Teacher's Guide pages	CG p. 61/Lesson Guide in Elem. Math Gr. 5 pp. 358-362	CG p. 61/ Lesson Guide in Elem. Math Grade 5 pp. 358-362	CG p. 61	CG p. 61/ Mathematics for Better Life ™5 pp.226-228	CG p. 61/ Mathematics for Better Life, Teacher's Manual p. 226
2.Learners's Materials pages					
3.Textbook pages	Mathematics for Better Life 5, p.350	Growing Up with Math 5 pp. 244-246	Mathematics for Better Life, pp	Mathematics for Better Life TX pp234-236	Mathematics for a Better Life 5, p. 234
4.Additional materials from learning resource (LR) portal	BEAM LG Gr. 5 Geometry		DepEd Learning Portal, Math 5		
B.Other Learning Resource	Charts, flash cards, graphing paper, cutouts of different polygons	cut-outs of polygons, activity sheets power point presentation graphing paper, scissors	metacards, charts, protractor, circle-shaped objects	Models of plane figures with curved edges, puzzle of different pictures of circles, circular cutouts	puzzle pieces, circle illustrations
IV.PROCEDURES					
A.Reviewing previous lesson or presenting the new lesson	1. Drill Climbing the ladder Mechanics a. The teacher group the pupils into 2 boys and girls. b. He or she flashes the geometrical figures written on the flash cards and let it be identified by the pupils. c. The pupils who answer the question will step one ladder up. The first group to reach the top is the winner. Review Guessing Game- What am I? a. I am a 3-sided polygon with congruent side. b. I am a 4-sided polygon with congruent sides. c. I have 10 sides.	1. Review: Identifying Polygons Strategy: Guessing Game – What Am I 1. I am a 3-sided polygon with congruent side 2. I am 4-sided polygon with congruent sides 3. I have nine sides 4. I am a four- sided polygon with one pair of parallel side. 5. I am a 3-sided polygon with two sides equal	1. Drill Directions: Which of the following is a circle. 2. Review ✓ What is a polygon? ✓ Give examples of polygons	1. Drill on visualizing circle The teacher uses pictures or real objects and let the pupils identify whether it is a circle or not Directions: Clap your hands twice if the object is a circle and stamp your feet thrice if it is not 2. Review Group the class into 3 groups. Give them activity card and let them write their answers on metacards. Group I- Name five objects that suggest a circle. Group II- Why is a ball not an example of a circle. Group III- What differentiates a circle from other plane figures	1. Drill Post figures with curved edges on the board. Ask pupils to identify each figure. Have the pupils identify which of these are circles 2. Review Directions: Identify and name the parts of the circle

B.Establishing a purpose for the lesson	d. I am a four-sided polygon with 1 pair of parallel side. e. I have 8 sides. Ask: Look at our blackboards. Do they have the same size and Shape? Look around the room. What objects have the same shape and size? Values Integration Ask some pupils to relate their experiences. Lead them to the discussion that will develop their	Look at our blackboards. Do they have the same size and shape? Look around the room. What objects have the same size and shape?	Is a circle a polygon? Why do you think so?	Strategy: Game (puzzle) Mechanics: 1. Divide the class into four groups. 2. Group Leaders will pick or get the envelope containing parts of puzzle. 3. Give them 1 minute to form the puzzle. And the first group to complete it wins the game.	Strategy: Puzzled Up Materials: puzzle pieces of a circle Mechanics: a. Group the pupils into 4's. b. Each group will have their activity kit which includes pieces of puzzle. c. Each group will form the pieces to form a circle. They will form 3 pieces of circles of different sizes.
C.Presenting Examples/ instances of the new lesson	willingness to do the assigned tasks. Strategy: Looking for the correct pair Materials: cutouts of polygons, ruler, protractor and identify them Mechanics: a. Group the pupils into 4's. b. Distribute envelopes with cutouts of polygons, two of which are pair. c. Instruct the pupils to look for the pair of the polygons as shown below. Let them measure the sides and the angles. Let them paste the polygons in pair on manila paper d. Ask the pupils. What can you say about the sides of each pair of polygons? What can you say about the shape? What Can you say about the angles? e. Let the pupils draw congruent polygons and identify them.	Materials: cut outs of polygons, ruler, protractor Mechanics: a. Group the pupils into 4's. b. Distribute envelopes with cut outs of polygons, two of which are pair. c. Let the pupils look for the pair of polygons as shown below. Let them measure the sides and the angles. Let them paste the polygons in pair on a manila paper What can you say about the sides of each pair of polygons? What can you say about the shape? What can you say about the angles?	Have the pupils observe the circles below. Take a look at each of the circles. Do you find any line segment?	4. Remind each pupil to be a good sport when playing games a. Strategy: Paper Folding Activity Mechanics: 1) Divide the class into 5 groups. 2) Give each group a piece of circular cutout. 3) Let them fold it in half. (Focus the pupils' attention on the line segment formed by the fold. Introduce the term Diameter to name the line segment. 4) After that, let them fold the cutout such that the diameter is halved. (Introduce the term radius to the name of the new line segment formed). How the length of the radius compares with the diameter? What is a diameter? What is a radius? 5) Using a marker, let them mark the center of the circle. (Specify that a center named the circle. b. Present another circle cutout/picture like shown below Look at the circle that is posted. Can you give the lines in a circles? How do we name this circle? What can you say on Line ED? How will you the describe it? (so we called it chord whose endpoints lie on a circle.)	d. The first group to post their work wins Strategy: Naming Parts of the Circle Materials: circular cut-outs Mechanics: a. Group the pupils into 4's. b. Study the circle. c. Trace the circle around from point P back to the same point. (That is the circumference of the circle.) d. Trace the curve line from point P to point Q passing point N. (That is the called semi-circle.) e. Trace point N to point Q. (That is a minor arc. The degree measures less than 180°. f. Trace point N to point Q passing point P. (That is the major arc. The degree is greater than 180°.
D.Discussing new concepts and practicing new skills #1	Teacher then processed the output done by each group.	Mechanics: a. Group the pupils into 4 groups	Strategy: Direct Instruction	Directions: Group the class into four. Use the illustrated circle at the	Presentation of each group

		b. Let them bring out their ruler and graphing paper c. Instruct the pupils to draw different polygons using the graphing paper. Draw one pair of polygons with the same size and shape Group 1- three-sided polygons like equilateral, isosceles and scalene Group 2- four-sided polygons Group 3- five to seven-sided polygons Group 4- eight to ten-sided polygons d. Let the pupils compare the figures they cut. e. What can you say about their size and shape? f. Guide the pupils to answer that the pair of plane figure with exactly the same shape and size are congruent. g. Ask: How did you feel when performing the activity? What value is developed when you performed the activity?	 ■ A circle is a simple closed curved. It is composed of a set of points equidistant from a fixed point called the center of the circle. ■ In the illustration point O is found at the center of the circle. ■ A circle is named by its center. This circle is called circle O. ■ Segment OA is a radius. Radius is a line segment from the center to any point on the circle. A radius is half of a diameter. ■ We can use a protractor to draw a circle. A protractor is an instrument that is used to draw circles with different radii. We can also trace a circle from other objects with a shape of a circle. 	right in answering the items in the activity. 1. The circle is named as 2. OT is a 3. OE is a 4. HE is a 5. The center of the circle is 6. Name 3 radii: 7. Name 2 diameters: 8. Name the chords:	Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more
E.Discussing new concepts and practicing new skills #2	a. How do you find the activity? b. When do you say that two polygons are congruent? c. What other strategies will you use to help you find that two or more polygons are congruent?	Presentation of each group		Presentation of each group	What is the name of the circle? How will you describe the circumference of the circle? How is the semi-circle formed? How will you describe minor arc? major arc? How will compare minor and major arc? How will you describe the area of the circle?
F.Developing Mastery	Directions: Look at the figures. Which of them appears to be congruent? Name the pairs	Directions: Identify the figure in Figure I that is congruent in Figure II Figure I Figure II 1. Quadrilateral FBEF 2. Triangle CBE 3. Triangle GCH 4. Quadrilateral ACGF 5. Triangle CDE 6. Triangle ABF 7. Segment FH 8. Segment BC 9. Angle DCE 10 Triangle CDB	Strategy: Thinking Skills Analyze the following figures. What are they?	Directions: Use circle O at the right to identify each line segment as a radius, a diameter and a chord. 1. Line AC 2. Line OA 3. Line FM 4. Line OD 5. Line OC 6. Line OF 7. Line AB 8. Line DC	Directions: Refer to Circle O to name the following. a. a minor arc

G.Finding Parctical application of concepts and skills in daily living H.Making generalization and abstraction about the lesson	Directions: Look at the things inside the classroom and identify the congruent sides or faces. a. books d. tables b. chalkboard e. walls c. cabinets When do you say that two polygons are congruent?	1. Look at the things inside the classroom and identify the congruent sides or faces. a. books b. tables c. chalkboard d. wall e. cabinets 2. Find pair of figure in your classroom that shows congruency Lead the pupils to generalize that two polygons are congruent if: a. Both have the same shape and size. b. Tracing of one fits the other. c. Their corresponding angles and sides are congruent	Using the circles and different shapes given to your group, create a new figure from it. Post your work and explain what you have formed What is a circle?	Directions: Form five groups. Let each group draw their own circle. Have them illustrate a radius, diameter and a chord. Give them time to do this. Each group will present their output How will you identify the radius, diameter, chord and center of a circle?	Directions: Group the pupils into 3's. Let the draw the following circle illustrating the following. Shade the area of the three circles differently. a. minor arc b. major arc c. semi-circle How will you identify the circumference, area, semi-circle, minor arc, and major arc of a circle
I.Evaluating learning	Directions: Check the letter of the figure that is congruent to the first figure 1)	Evaluating Learning Write the letter of the figure that is congruent to the first figure. a b c d d d d d d d d d d d d d d d d d d	Directions: Draw objects that can be found inside and outside the classroom that has a shape of a circle. Label the object you have drawn	Directions: Refer to the circles below to answer the following 1. Name the diameters and radii in the circle. 2. Which line segments in the circle are chords	Directions: Use circle O to identify each line segment in the figure. a. FG b. RS c. SE d. GE e. AS
J.additional activities for application or remediation	Directions: Draw 2 congruent figures of the following polygons. 1. Trapezoid 2. Octagon 3. Pentagon 4. Isosceles triangle 5. Decagon	Directions: Certain artists, such as Pablo Picasso, created paintings and drawings using a style called "cubism." Cubism is an abstract style where the artist arranges cubes and other geometric forms in their work. A cubist painting could contain shapes like those below.	Directions: Name 5 things found in your home that has a shape of a circle	Directions: Have the pupils work in pairs. They will each fold a circle to show 4 diameters and name the diameters and the radii formed. Have them explain what part of each diameter a radius is. Enrichment Directions: Use this circle to show three diameters and three radii. Use capital letters to name the points on the circle	Directions: Illustrate five circles showing the following parts of the circle. Label each illustration. a. circumference b. area c. minor arc d. major arc e. semicircles
V.REMARKS VI.REFLECTION					
A.No. of learners who earned 80% in	Lesson carried. Move on to the	Lesson carried. Move on to the next	Lesson carried. Move on to the	Lesson carried. Move on to the	Lesson carried. Move on to the
the evaluation	next objective. Lesson not carried. Moreover the pupils got 80%	objective	next objective. Lesson not carried. Moreover 1 and 1 a	next objective. Lesson not carried. Moreover of the pupils got 80%	next objective. Lesson not carried. Moreover the pupils got 80%
	mastery		mastery	mastery	mastery

B.No.of learners who require	Pupils did not find difficulties in	Pupils did not find difficulties in	Pupils did not find difficulties in	Pupils did not find difficulties in	Pupils did not find difficulties in
additional activities for remediation	answering their lesson.	answering their lesson.	answering their lesson.	answering their lesson.	answering their lesson.
	Pupils found difficulties in	Pupils found difficulties in	Pupils found difficulties in	Pupils found difficulties in	Pupils found difficulties in
	answering their lesson.	answering their lesson.	answering their lesson.	answering their lesson.	answering their lesson.
	Pupils did not enjoy the lesson	Pupils did not enjoy the lesson	Pupils did not enjoy the lesson	Pupils did not enjoy the lesson	Pupils did not enjoy the lesson
	because of lack of knowledge, skills	because of lack of knowledge, skills	because of lack of knowledge, skills	because of lack of knowledge,	because of lack of knowledge, skills
	and interest about the lesson.	and interest about the lesson.	and interest about the lesson.	skills and interest about the lesson.	and interest about the lesson.
	Pupils were interested on the	Pupils were interested on the	Pupils were interested on the	Pupils were interested on the	Pupils were interested on the
	lesson, despite of some difficulties	lesson, despite of some difficulties	lesson, despite of some difficulties	lesson, despite of some difficulties	lesson, despite of some difficulties
	encountered in answering the	encountered in answering the	encountered in answering the	encountered in answering the	encountered in answering the
	questions asked by the teacher.	questions asked by the teacher.	questions asked by the teacher.	questions asked by the teacher.	questions asked by the teacher.
	Pupils mastered the lesson despite	Pupils mastered the lesson despite	Pupils mastered the lesson	Pupils mastered the lesson	Pupils mastered the lesson despite
	of limited resources used by the	of limited resources used by the	despite of limited resources used by	despite of limited resources used by	of limited resources used by the
	teacher.	teacher.	the teacher.	the teacher.	teacher.
	Majority of the pupils finished	Majority of the pupils finished their	Majority of the pupils finished	Majority of the pupils finished	Majority of the pupils finished
	their work on time.	work on time.	their work on time.	their work on time.	their work on time.
	Some pupils did not finish their	Some pupils did not finish their	Some pupils did not finish their	Some pupils did not finish their	Some pupils did not finish their
	work on time due to unnecessary	work on time due to unnecessary	work on time due to unnecessary	work on time due to unnecessary	work on time due to unnecessary
	behavior.	behavior.	behavior.	behavior.	behavior.
C.Did the remedial work? No.of	of Learners who earned 80%	of Learners who earned 80% above	of Learners who earned 80%	of Learners who earned 80%	of Learners who earned 80%
learners who have caught up with the	above	or requires who carried cove above	above	above	above
lesson	43010				
D.No. of learners who continue to	of Learners who require	of Learners who require additional	of Learners who require	of Learners who require	of Learners who require
require remediation	additional activities for remediation	activities for remediation	additional activities for remediation	additional activities for remediation	additional activities for remediation
·					
E.Which of my teaching strategies	YesNo	YesNo	YesNo	YesNo	YesNo
worked well? Why did these work?	of Learners who caught up the	I .	of Learners who caught up the	of Learners who caught up the	of Learners who caught up the
	lesson	lesson	lesson	lesson	lesson
F.What difficulties did I encounter	of Learners who continue to	of Learners who continue to	of Learners who continue to	of Learners who continue to	of Learners who continue to
which my principal or supervisor can	require remediation	require remediation	require remediation	require remediation	require remediation
helpme solve? G.What innovation or localized	Strategies used that work well:	Strategies used that work well:	Strategies used that work well:	Strategies used that work well:	Strategies used that work well:
materials did used/discover which I				_	-
wish to share with other teachers?	Metacognitive Development:	Metacognitive Development:	Metacognitive Development:	Metacognitive Development:	Metacognitive Development:
Wish to share with other teachers.	Examples: Self assessments, note	Examples: Self assessments, note	Examples: Self assessments, note	Examples: Self assessments, note	Examples: Self assessments, note
	taking and studying techniques, and vocabulary assignments.	taking and studying techniques, and			
		vocabulary assignments.	vocabulary assignments.	vocabulary assignments.	vocabulary assignments.
	Bridging: Examples:		Bridging: Examples:	Bridging: Examples:	
	Think-pair-share, quick-writes, and			Think-pair-share, quick-writes, and	
	anticipatory charts.	anticipatory charts.	anticipatory charts.	anticipatory charts.	anticipatory charts.
	Cabana Building 5000	Cahana Building Sugar	Cabana Buildings From 1	Cahama Buildinas Sugar	Cohama Building Survey
	Schema-Building: Examples:	Schema-Building: Examples:	Schema-Building: Examples:	Schema-Building: Examples:	Schema-Building: Examples:
	Compare and contrast, jigsaw	Compare and contrast, jigsaw learning,	Compare and contrast, jigsaw	Compare and contrast, jigsaw	Compare and contrast, jigsaw
	learning, peer teaching, and projects.	peer teaching, and projects.	learning, peer teaching, and projects.	learning, peer teaching, and	learning, peer teaching, and projects.
				projects.	

Contextualization: Examples: Demonstrations, media, manipulatives, repetition, and local opportunities. Contextualization: Examples: Superiorizations, media, manipulatives, repetition, and local opportunities. Text Representation: Examples: Student created drawings, videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing tamples of student work. Other Techniques and Strategies used: Contextualization: Examples: Student created drawings, videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing tamples of student work. Other Techniques and Strategies used: Contextualization: Contextual					
manipulatives, repetition, and local opportunities. Text Representation: Examples: Student created drawings, videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throuh play Answering preliminary activities/exercises Carousel Diads Differentiated instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagemests to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation of the lesson manipulatives, repetition, and local apportunities. Text Representation: Examples: Student created drawings, videos, and games. "Text Representation: Examples: Student created drawings, videos, and games. "Text Representation: Text Representation: Examples: Student created drawings, videos, and games. "Modeling: Exampless Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throuh play Answering preliminary activities/exercises Carousel Diads Differentiated Instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagemess to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation of the lesson manipulatives, repetition, and local apportunities. Text Representation: Text Representation:	Contextualization:	Contextualization:	Contextualization:		Contextualization:
Examples: Student created drawings, videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throub play Answering preliminary activities/exercises Carousel Diads Differentiated Instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagerness to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation of the lesson Examples: Student created drawings, videos, and games. Modeling: Examples: Student created drawings, videos and games. Modeling: Examples: Student created drawings, videos and games. Modeling: Examples: Student created drawings, videos and g	manipulatives, repetition, and local	manipulatives, repetition, and local	manipulatives, repetition, and local	Examples: Demonstrations, media, manipulatives, repetition, and local	manipulatives, repetition, and local
videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Gamification/Learning throuh play Answering preliminary activities/exercises — Carousel — Differentiated instruction — Role Playing/Drama — Discovery Method — Lecture Method — Lecture Method — Lecture Method — Lecture Method — Myr? Complete IMS — Availability of Materials — Pupils' eagerness to learn — Group congeation in doing their tasks — Audio Visual Presentation of the lesson of th	Text Representation:	Text Representation:	Text Representation:		Text Representation:
Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work.	-		•	· ·	
	Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throuh play Answering preliminary activities/exercises Carousel Diads Differentiated Instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagerness to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation	Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used:Explicit TeachingGroup collaborationGamification/Learning throuh playAnswering preliminary activities/exercisesCarouselDiadsDifferentiated InstructionRole Playing/DramaDiscovery MethodLecture Method Why?Complete IMsAvailability of MaterialsPupils' eagerness to learnGroup member'sGroup member'sCollaboration/cooperation in doing their tasksAudio Visual Presentation	Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throuh play Answering preliminary activities/exercises Carousel Diads Differentiated Instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagerness to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation	drawings, videos, and games. Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used: Explicit Teaching Group collaboration Gamification/Learning throuh play Answering preliminary activities/exercises Carousel Diads Differentiated Instruction Role Playing/Drama Discovery Method Lecture Method Why? Complete IMs Availability of Materials Pupils' eagerness to learn Group member's collaboration/cooperation in doing their tasks Audio Visual Presentation	Modeling: Examples: Speaking slowly and clearly, modeling the language you want students to use, and providing samples of student work. Other Techniques and Strategies used:Explicit TeachingGroup collaborationGamification/Learning throuh playAnswering preliminary activities/exercisesCarouselDiadsDifferentiated InstructionRole Playing/DramaDiscovery MethodLecture Method Why?Complete IMsAvailability of MaterialsPupils' eagerness to learnGroup member'sCollaboration/cooperationin doing their tasksAudio Visual Presentation