

7

Learning Activity Sheet for Mathematics

Quarter 1

Week

1

Learning Activity Sheet Mathematics Grade 7

Quarter 1: Week 1

This material is intended exclusively for the use of teachers in the implementation of the MATATAG K to 10 Curriculum. It aims to assist in delivering the curriculum content, standards, and lesson competencies.

The Intellectual Property Code of the Philippines states that “No copyright shall subsist in any work of the Government of the Philippines. However, prior approval of the government agency or office wherein the work is created shall be necessary for exploitation of such work for profit. Such agency or office may, among other things, impose as a condition the payment of royalties.”

Borrowed materials (e.g., texts, illustrations, musical notations, photos, and other copyrightable, patentable contents) included in this learning resource are owned by their respective copyright and intellectual property right holders. Where applicable, DepEd has sought permission from these owners specifically for the development and printing of this learning resource. As such, using these materials in any form other than agreed framework requires another permission and/or licensing.

No part of this material, including its original and borrowed contents, may be reproduced in any form without written permission from the Department of Education.

Every care has been taken to ensure the accuracy of the information provided in this material. For inquiries or feedback, please call the Office of the Director of the Department of Education – National Capital Region via telephone number (02) 85229412 or send an email to ncr@deped.gov.ph.

Published by the Department of Education
Secretary: Sara Z. Duterte
Undersecretary: Gina O. Gonong

Development Team

Writer:	Evelyn C. Callada
Content Reviewer:	Resty I. Rodelas, Alberto J. Tiangco, Marilyn B. Soriano, Evelyn C. Callada, Dominador J. Villafria
External Content Validator:	Dr. Errol Matthew C. Garcia, Dr. Winston S. Sirug
External Language Validator:	Rafael John Sotto
Illustrator:	
Layout Artist:	Vergel Junior C. Eusebio

Management Team

JOCELYN DR ANDAYA, CESO IV, Director IV
CRISTITO A. ECO, CESO III, Assistant Regional Director
MICAH G. PACHECO, OIC-Chief Education Program Supervisor, CLMD
DENNIS M. MENDOZA, Regional EPS/Learning Resource Management Section Head
RESTY I. RODELAS, Regional Mathematics Education Program Supervisor
DAISY L. MATAAC, SDO Taguig City & Pateros LRMS Education Program Supervisor
ELSA R. MATA, SDO Navotas LRMS Education Program Supervisor

Department of Education – National Capital Region (DepEd- NCR)

Office Address: 6 Misamis St, Bago Bantay, Quezon City
Metro Manila, Philippines, 1105

Telefax: (02) 85229412




Email Address: ncr@deped.gov.ph

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	First
Week:	1	Day:	1
Lesson Title/ Topic:	Classify Polygons according to number of sides, according to convex and non-convex		
Name:		Grade & Section:	7

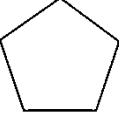
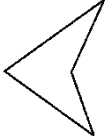
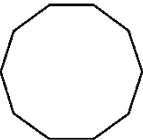
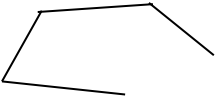
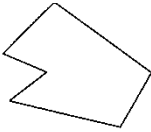
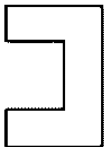
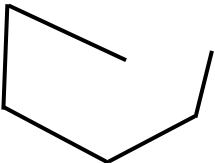
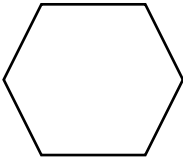
Activity #1

Fill in the boxes with the correct data.

Polygon	Shape	Number of Sides	Number of Angles
			10
		6	
<i>Decagon</i>			
			
<i>Triangle</i>			
(P)			
<i>Quadrilateral</i>			
(V)			

Activity #2

Fill in the boxes with the correct data.

Figure	Polygon – Yes Not Polygon - No	Name of the Polygon ** if not a polygon write n/a	Convex ✓ Concave ✕ ** if not a polygon write n/a
			
			
			
			
			
			
			
			

Activity #3

Answer the following items. Follow the directions.

1. Given a polygon, are the number of sides equal to the number of angles? If the answer is YES, draw a triangle, if the answer is NO, draw a quadrilateral.
2. A pentagon has 5 sides. If YES, draw a concave pentagon, if NO, draw a convex pentagon.
3. Draw an octagon inside a hexagon.
4. Draw a concave quadrilateral inside a convex pentagon.
5. A circle is a polygon. If YES, draw a circle inside a triangle. IF NO, draw a triangle inside a circle.
6. Draw a concave heptagon inside a convex hexagon.

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	First
Week:	1	Day:	2
Lesson Title/ Topic:	Classifying Regular and Irregular Polygons		
Name:		Grade & Section:	7

Activity # 1

The class will be grouped with 5 members each. The students will form polygons using plastic straws.

Group 1 and 4

1. Regular heptagon
2. Irregular nonagon
3. Convex irregular pentagon

Group 2 and 5

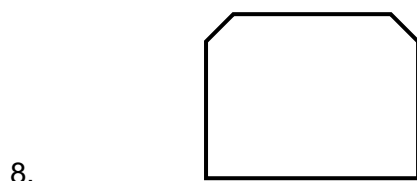
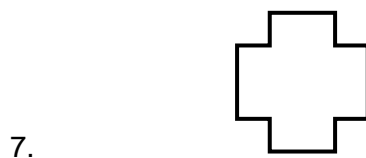
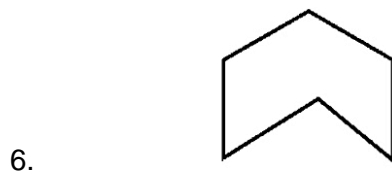
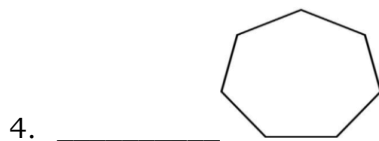
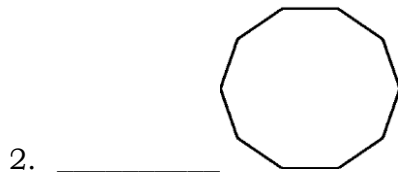
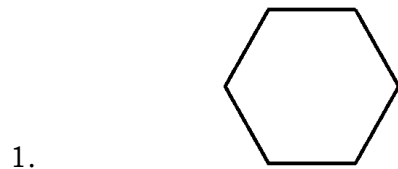
1. Regular pentagon
2. Irregular hexagon
3. Convex irregular heptagon

Group 3 and 6

1. *Regular octagon*
2. Irregular quadrilateral
3. Convex irregular hexagon

Activity # 2

Determine if the given polygons are Regular or Irregular, Convex, or Concave. Write R if Regular and IR if irregular. Write VEX if Convex and CAVE if Concave.



LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	First
Week:	1	Day:	3
Lesson Title/ Topic:	Drawing triangles with given side and angle measures		
Name:		Grade & Section:	7

Activity #1

Draw a triangle following the given measures:

1. $XZ = 10 \text{ cm}$
 $XY = 12 \text{ cm}$
 $\angle ZXY = 75$

2. $AB = 7$
 $BC = 9$
 $\angle ABC = 130$

3. $BC = 20 \text{ cm}$
 $\angle ABC = 95$
 $\angle ZYX = 55$

4. $AB = 7$
 $BC = 9$
 $\angle ABC = 130$

Activity # 2

The students will be asked to draw a triangle given the following conditions. They will list the step-by-step procedures of drawing using a ruler and protractor.

1. Draw an equilateral triangle
2. Draw an isosceles triangle
3. Draw a triangle with 3 angles given.

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	First
Week:	1	Day:	4
Lesson Title/ Topic:	Drawing quadrilaterals with given side and angle measures		
Name:		Grade & Section:	7

Activity #1

Draw the following quadrilaterals using the following conditions:

1. A rectangle with sides equal to 5 cm and 8 cm.
2. A square with a side equal to 20 cm.
3. A rhombus with a side equal to 15 cm and one angle equal to 120° .
4. A parallelogram with a side equal to 11cm and 13 cm with one angle equal to 50° .

Activity #2

Draw the following quadrilaterals using the following conditions:

1. A rectangle in which one side is twice the other side.
2. A square of any dimension.
3. A rhombus wherein one angle is twice the other angle.
4. A parallelogram wherein one angle is 8 times the other angle and one side thrice the other.