7

DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for Mathematics

Quarter 1
Week
1

DepED MATATAG
Bansang Makabata Batang Makabansa
BAGONG PILIPINAS
DEPARTMENT OF EDUCATION NCR
ONE NCR STRONGER TOGETHER

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.

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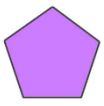
LEARNING ACTIVITY SHEET

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**

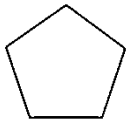
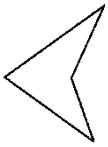
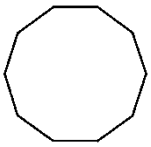
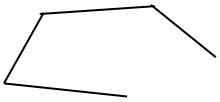
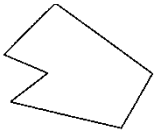
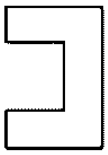
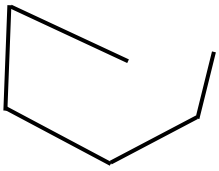
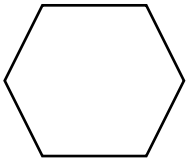
Activity #1

Fill in the boxes with the correct data.

Polygon	Shape	Number of Sides	Number of Angles
			10
		6	
Decagon			
			
Triangle			
(P)			
Quadrilateral			
(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

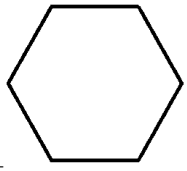
1. Regular pentagon
2. Irregular hexagon
3. Convex irregular heptagon

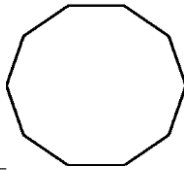
Group 3 and 6

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

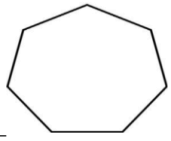
Activity # 2

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.

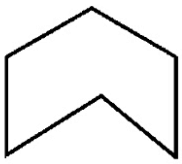
1. _____ 

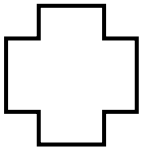
2. _____ 

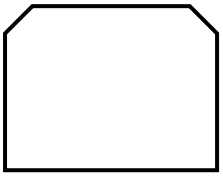
3. _____ 

4. _____ 

5. _____ 

6. _____ 

7. _____ 

8. _____ 

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 cm
   XY = 12 cm

   ∠ZXY = 75

2. AB = 7
   BC = 9

   ∠ ABC = 130

3. BC = 20 cm
   ∠ABC = 95

   ∠ZYX = 55

4. AB = 7
   BC = 9

   ∠ 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.