4

Mathematics 4

Microlearning Module

QUARTER 1 – Module 3

Drawing and Stating the Properties of Triangles and Quadrilaterals

Microlearning Module

REGION XII - DIVISION OF SULTAN KUDARAT

Mathematics 4
Microlearning Module (MLM)
Quarter 1 – Module 2: Drawing and Stating the Properties of Triangles and Quadrilaterals
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MICROLEARNING MODULE

Name: _____Grade & Sec: _____ Score: _____
Subject: ___Mathematics_____Quarter: ___1___ MLM No.___3___
Teacher: _____
Competency: Draw and state the properties of triangles and quadrilaterals

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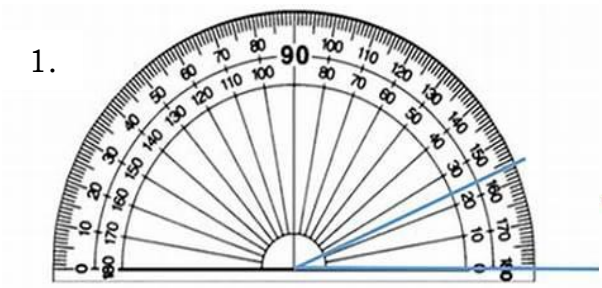
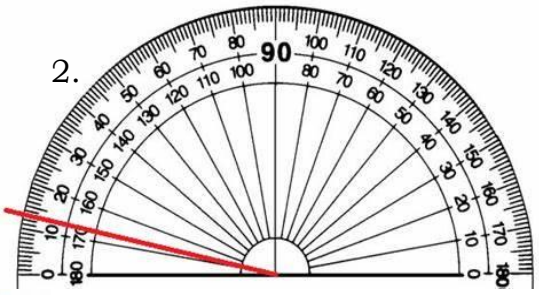
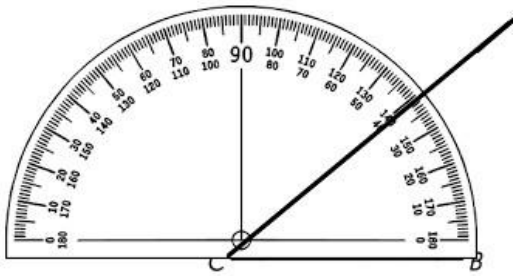
A. Look Back!

In our previous lesson, we learned how to draw and measure different angles using a protractor. So, let's do the following exercises.

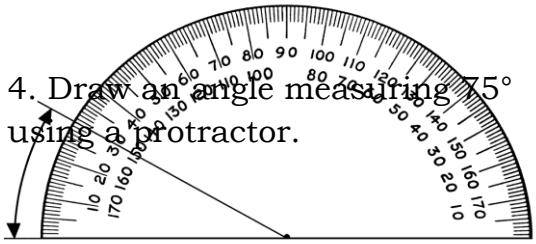
Measure the angles of the following:

1. 

2. 

3. 

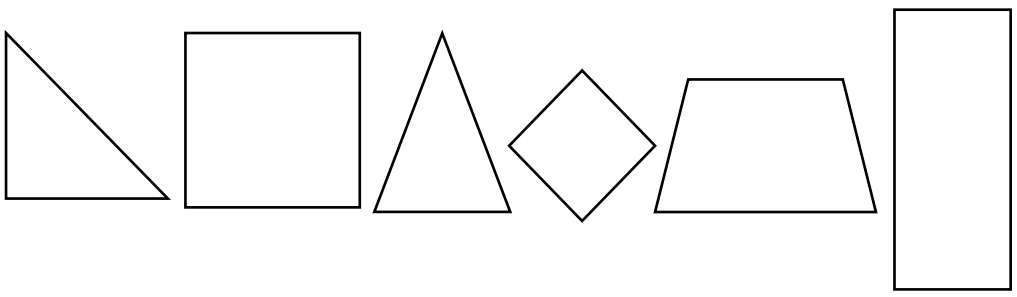
4. Draw an angle measuring 75° using a protractor.



B. What is it?

The pupils of grade IV were tasked by their Mathematics teacher to make cutouts of three-sided and four-sided plane figures to be used in their new lesson for the day.

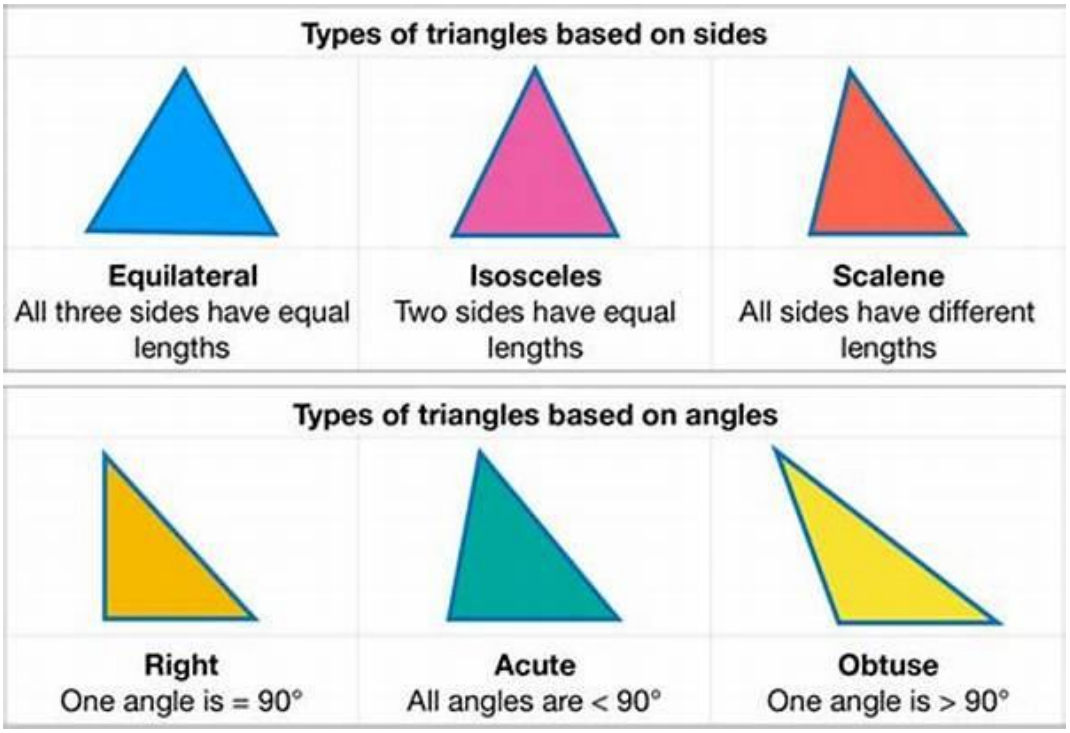
The pupils have come up with the following shapes:



C. What's New!

Based on the pupils' output above, identify the three-sided and four-sided plane figures.

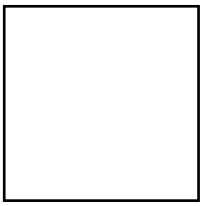
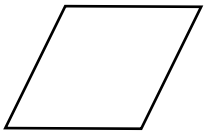
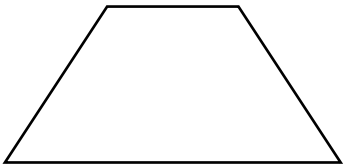
The three-sided figure is called a triangle. A triangle is a polygon with 3 sides and 3 angles. They can be classified according to their angles and sides.



Quadrilaterals are four-sided polygons with four angles, and they can be classified into different types based on their properties.

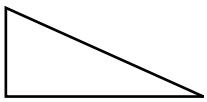
Types of Quadrilaterals

Quadrilateral	Illustration	Properties
Parallelogram		A **parallelogram** has 2 pairs of parallel sides and its opposite sides are equal.
Rectangle		A **rectangle** is a parallelogram that has 4 right angles. Its opposite sides are equal.

Square		A **square** is a parallelogram that has 4 equal sides and 4 right angles.
Rhombus		A **rhombus** is a parallelogram with 4 equal sides.
Trapezoid		A **trapezoid** has only one pair of parallel opposite sides.

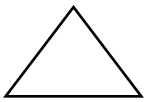
D. Let's Try!

Identify whether each figure is a triangle or a quadrilateral.

1. 

2. 

3. 

4. 

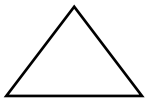
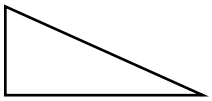
5. 

Fill in the blanks with the correct answer:

6. _____ is a polygon with 3 sides and 3 angles.
7. A _____ is a quadrilateral with four equal sides.
8. A type of triangle that has 3 equal sides. _____
9. _____ is a polygon with 4 right angles and its opposite sides are equal.
10. A _____ is a triangle with a right angle that measures 90°.

E. Let's Evaluate!

Complete the table below.

Figure	Number of sides	Number of angles	Plane figure name
1. 		***3***	
2. 		***3***	
3. 	***4***		
4. 			***rectangle***
5. 	***4***		

Challenge!

On any coupon bond, create a robot using different types of triangles and quadrilaterals. Materials needed are colored paper, coupon bond, glue, scissors, and pencil.

Rubrics for the Robot Artwork

Assessment Criteria	Demonstrated criteria to a high level 10	Demonstrated criteria to a satisfactory level 7	Needs help or further practice 5
Display of Craftsmanship	The artwork represents a good skill in using lines, shapes, and colors.	The artwork represents a fairly good in using lines, shapes, and colors.	The artwork lacks detail.
Layout / Proportion and Neatness	The artwork is exceptionally attractive in terms of design, layout, and neatness.	The artwork is attractive in terms of design, layout, and neatness.	The artwork is not attractive or very poorly designed.
Originality and Uniqueness.	The artwork used its own original design.	Only few original and unique aspects.	The whole artwork was copied from other samples.

F. References

Chingcuangco, Ofelia G. *Soaring High with Mathematics 4: Textbook*. Valenzuela City: Saint Matthew's Publishing, 2019.

"Types of Triangle." *Cuemath*. Accessed October 15, 2024. https://www.cuemath.com/geometry/types-of-triangle/.

"Describing Triangles and Quadrilaterals." *Bing Images*. Accessed October 15, 2024. https://www.bing.com/images/search?q=describing+triangles+and+quadrilaterals&form=HDRSC3&first=1.

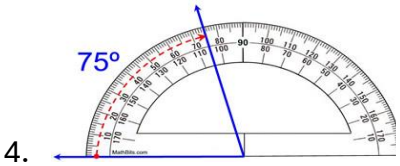
DISCLAIMER

This Microlearning Module has been developed by DepEd - Division of Sultan Kudarat for educational purposes only. It is designed to supplement classroom instruction and should not be used as the sole source of information. Teachers are encouraged to exercise their professional discretion and tailor the content to suit their students' individual needs.

REGION XII - DIVISION OF SULTAN KUDARAT

Answer Key

A. Look Back!

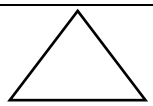
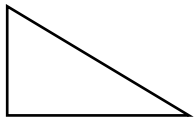
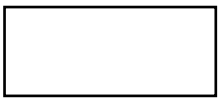
1. 24°
2. 13°
3. 40
4. 

D. Let's Try

1. Triangle
2. Quadrilateral
3. Quadrilateral
4. Triangle
5. Quadrilateral
6. Triangle
7. Square
8. Equilateral triangle
9. Rectangle
10. Right triangle.

E. Let's Evaluate

Complete the table below.

Figure	Number of sides	Number of angles	Plane figure name
1. 	*3*		*triangle*
2. 	*3*		*triangle*
3. 		*4*	*trapezoid*
4. 	*4*	*4*	
5. 		*4*	*rhombus*

Challenge!

Outputs may vary. Rubrics will be used in rating learners' finished work.