

GOVERNMENT PR

Mathematics 4 Microlearning Module

QUARTER 1 – Module 5

Differentiating Quadrilaterals





REGION XII - DIVISION OF SULTAN KUDARAT

Mathematics 4 Microlearning Module (MLM) Quarter 1 – Module 5: Differentiating Quadrilaterals First Edition, 2024

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MICROLEARNING MODULE

Name:	Grade & Se	ec:	Score:
Subject: <u>Mathematics</u>	Quarter:	1	MLM No. 5
Teacher:			
Competency: Differentiate different quadrilaterals			

A. Look Back!

Complete the table below.

Figure	Number of sides	Number of angles	Name of plane figure
1.			
2.			
3.			
4.			
5.			

B. What's New?

Read the situation below, then answer the questions that follow.



Paper Cut-outs

In Mr. Capulot's Grade IV class, some pupils prepared cutouts of different quadrilaterals. Danny cut a square. Labenni made a rectangle, Almaha prepared a rhombus, Bernard cut a trapezoid, and Jevan made a parallelogram.

Picture source from:https://www.shutterstock.com/shutterstock/photos/1865939632/ display_1500/stock-vector-quadrilateral-shapes-names-types-of-geometric-shapes-1865939632.jpg

What did the children prepare?

What are the different quadrilaterals they prepared?

C. What Is It?

Quadrilaterals are four-sided polygons and can be classified into different types based on their properties. Understanding the characteristics of various quadrilaterals is essential in geometry and many other fields. In this lesson, we will explore the different types of quadrilaterals and learn how to differentiate them.

The main types of quadrilaterals are:

- Parallelogram
- Rectangle
- Square
- Rhombus
- Trapezoid



A **parallelogram** has 2 pairs of parallel sides and its opposite sides are equal.



A **rhombus** is a parallelogram with 4 equal sides.



A **rectangle** is a parallelogram that has 4 right angles. Its opposite sides are equal.



A **square** is a parallelogram that has 4 equal sides and 4 right angles.

A **trapezoid** has only one pair of parallel opposite sides.

D. Let's Try!

Look at each numbered figure in the diagram, and identify what kind of quadrilateral it is.



E. Let's Evaluate!

3.

4.

Instruction: Read each statement carefully, and choose the letter of the correct answer.

1. Which of the following is not a type of quadrilateral?

c. rectangle a. pentagon

d. rhombus b. parallelogram

2. A quadrilateral with four right angles and two parallel sides is called

a. parallelogram	c. square
b. rectangle	d. rhombus
A quadrilateral with four	equal sides and four equal angles is
a	
a. parallelogram	c. Square
b. Rectangle	d. Rhombus
A quadrilateral with one	pair of parallel sides is called a
a. parallelogram	c. square
b. rectangle	d. trapezoid

5. A quadrilateral with two pairs of parallel sides is called a_____.

is called a_____.

a. parallelogram c. square

6. A quadrilateral with four equal sides but not four right angles is

a	
a. parallelogram	c. square
b. rectangle	d. rhombus

7. It is a special case of a rectangle.

a. parallelogram	c. rhombus

b. square d. trapezoid 8. A quadrilateral with four equal sides and 4 equal angles is called

a	
a. parallelogram	c. square
b. rectangle	d. rhombus

9. Which of the following quadrilaterals has all equal sides and angles?

a. parallelogram	c. square
b. rectangle	d. rhombus

10. A quadrilateral with two pairs of parallel sides and four right angles is a_____.

a. parallelogram	c. square
b. rectangle	d. rhombus

Challenge!

Complete the puzzle using the clues shown below.



Across

2. A quadrilateral with four congruent sides and four 90° angles.

4. A quadrilateral with congruent opposite sides and four 90° angles.

5. A quadrilateral with one pair of parallel sides.

6. A quadrilateral with two sets of adjacent congruent sides.

7. A quadrilateral with four congruent sides

Down

1. A quadrilateral with congruent, parallel opposite sides.

3. A four-sided figure.

F. References

- Chingcuangco, O.G. Soaring High with Mathematics 4 Textbook.2019. Quezon City: Saint Mathew's Publishing
- Tabilang, A.R., Ian Jay B. Arce, & R.V. Pascua, *Mathematics 4 Learner's Materials*.2015. Pasig City: Department of Education.

https://www.media4math.com/sites/default/files/library_asset/files /QuadrilateralsCrossword1.pdf

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Answer Key!