



UNIT 9: Geometry

15 days of math lesson plans, PowerPoints & activities

TRIANGLES

A triangle is any shape with 3 sides, 3 angles, and 3 vertices.

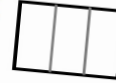
Unit 9 Lesson 10

Name: _____

Homework

Directions: Partition each shape to into thirds.

1.



2.



3.



Directions: Circle the s

4.



Unit 9 Lesson 6

Name: _____

Directions: U

Problem Set

to fill in each blank.

_____ shape.

_____ faces.

_____ vertices.

_____ on a solid shape.

_____ es.

9.9 MEET THE TEACHER

MATERIALS FOR TEACHER: journal pages for teacher and students, scissors, glue, pen

9.12 PARTITIONING SHAPES

I CAN STATEMENT

I can partition shapes into halves, thirds, and fourths.

MATERIALS

9.12 PPT
9.12 printouts

VOCABULARY

partition
halves
thirds
fourths

MINI LESSON

CUBES

Geometry

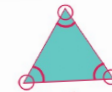
Write the three attributes of a cube under the flap.

Draw a cube under the flap.

Write three real-life objects that are cubes

ATTRIBUTES

the traits or characteristics of a shape or object



Triangle

- 3 sides
- 3 angles
- 3 vertices

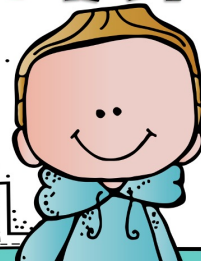
Attributes

VERTEX



2ND GRADE GEOMETRY MATH UNIT

UNIT 9



INCLUDES A FULL 15 DAYS OF ENGAGING MATH LESSONS AND ACTIVITIES.



PBL ACTIVITY GEOMETRY



A BAKE-SALE THEMED PROJECT-BASED LEARNING ACTIVITY

UNIT 9: GEOMETRY at a glance

Day 1 Triangles	Day 2 Quadrilaterals	Day 3 Quadrilaterals	Day 4 Pentagons	Day 5 Hexagons
Day 6 Cubes	Day 7 Shapes	Day 8 Review	Day 9 Halves	Day 10 Thirds
Day 11 Fourths	Day 12 Partitioning Shapes	Day 13 Word Problems	Day 14 PBL	Day 15 Assessment

THIS UNIT COVERS THE FOLLOWING COMMON CORE MATH STANDARDS: 2.GA.1 and 2.GA.3

Notes:

Easily see your whole week at a glance with the unit pacing guide.



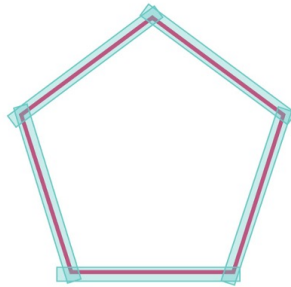
Pentagons

Vocabulary Review:

Vertex: the point or corner where two lines



Pentagons



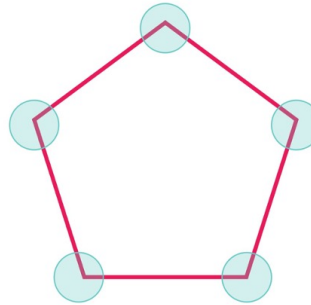
Find the sides, angles,

NOT SO WIMPY TEACHER

Pentagon

-
-
-

Pentagons



Find the sides, angles, and vertices.

Pentagon


- 5 sides
- 5 angles
- 5 vertices

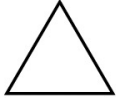
Deliver great lessons with step-by-step PowerPoints for teaching math skills.





Unit 9

Directions: Write the name of each shape on the line.

1.  _____

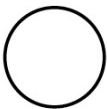
2.  _____


4.  _____

5.  _____

Unit 9

Directions: Partition each shape into thirds.

16.  _____

17.  _____

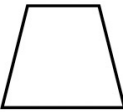
Directions: Circle the shapes that are shaded to show _____.

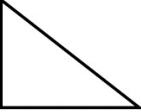
Unit 9 Assessment


Name: _____

Directions: Name the shapes on the lines below. You must use each word in the word bank once.

Word Bank: hexagon triangle pentagon quadrilateral square rectangle


1.  _____


2.  _____

3.  _____


Unit 9

Directions: Write the name of each shape on the line.

7. 1.  _____
circle

10. 4.  _____
rectangle

Directions: Draw a line to partition each shape into _____.

7.  _____


Skill	Identifying Shapes	Identifying Side, Angle, and Vertex	Cube Attributes	Halves and Wholes	Thirds and Wholes	Fourths and Wholes	Word Problems	
Student	1-6	7	8-11	12-15	16-19	20-24	25-27	TOTAL
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30
	___ / 6	___ / 3	___ / 4	___ / 4	___ / 4	___ / 5	___ / 4	___ / 30


Assessment Answer Key

Name: _____

You must use each word in the word bank once.

Word Bank: hexagon triangle pentagon quadrilateral square rectangle

3.  _____
rectangle

6.  _____
square



Track student progress with pre- & post-assessments and recording sheet.



9.9 HALVES

<u>I CAN STATEMENT</u> I can identify and describe partition shapes into halves.	<u>MATERIALS</u> 9.9 PPT 9.9 printouts
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9.10 THIRDS

<u>I CAN STATEMENT</u> I can identify and describe partition shapes into thirds.	<u>MATERIALS</u> 9.10 PPT 9.10 printouts	<u>VOCABULARY</u> partition halves thirds
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MINI LESSON

Spend the first few minutes of the lesson completing the fact fluency slides. These slides allow students to practice adding 4 to numbers under 20.

Using the PPT, complete the warm-up with students. The warm-up is a review of partitioning shapes into thirds.

Using the PPT, review the following vocabulary terms: partition and thirds. Introduce the term thirds to the students. Tell the students that we will be partitioning shapes into thirds.

Model how to partition a rectangle into thirds. Discuss with the students how many parts we need, and how to ensure all sides are equal. The students will be partitioning shapes into thirds.

9.5 HEXAGON

<u>I CAN STATEMENT</u> I can identify and describe hexagons by their attributes.	<u>MATERIALS</u> 9.5 PPT 9.5 printouts	<u>VOCABULARY</u> attributes vertex side angle
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MINI LESSON

Spend the first few minutes of the lesson completing the fact fluency slides. These slides allow students to practice adding 3 to numbers under 20.

Using the PPT, complete the warm-up with students. The warm-up is a review of naming shapes.

Using the PPT, review the following vocabulary terms: attributes, vertex, side, and angle. Tell the students that we will use these terms to classify hexagons.

Label the sides of the hexagon. Count the six sides and show the students that is how we know it is a hexagon. Repeat with the angles and vertices.

Model how to determine which shape is not a hexagon by counting sides, angles, or vertices of all the shapes.

<u>INTERVENTION</u> Allow the students to reference the hexagon anchor chart as needed.	<u>EXTENSION</u> Challenge the students to complete the Level Up for more challenging problems involving shapes.
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9.6 MEET THE TEACHER

<u>MATERIALS</u> 9.12 PPT 9.12 printouts	<u>VOCABULARY</u> partition halves thirds fourths
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9.6 MEET THE TEACHER

TEACHER: journal pages for teacher and students

STUDENTS: journals, scissors, glue, pencils

Model how to quickly cut and glue the journal page. Have students show you that they can do the same in a similar manner using their journal pages.

Complete the first problem with the students. Then, challenge students to walk you through how to solve the next problem. Have students solve the remaining problem on their own and check together.

Model how to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.

How to solve the first problem. Then, allow the students to work in pairs to solve each problem. Have them sit quietly until everyone is finished. Check each page as a group.

How to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.



Includes whole group and differentiated small group lesson plans with activities.

PENTAGONS

Geometry

Write the three attributes of a pentagon under the flap.

Draw a pentagon under the flap.

Shade the shapes that are pentagons.



9.4 MEET THE TEACHER

MATERIALS FOR TEACHER: journal pages for teacher and students, scissors, glue, pencil

MATERIALS FOR STUDENTS: journals, scissors, glue, pencils

APPROACHING

Model how to quickly cut and glue the journal page. Have students show you that they can do the same in a timely manner using their journal pages.

Complete the first problem with the students. Then, allow the students to walk you through how to solve the next problem. Have students solve the remaining problem on their own and check together.

ON TRACK

Model how to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.

Model how to solve the first problem. Then, allow the students to work in pairs to solve each problem. Have the pairs sit quietly until everyone is finished. Check each answer as a group.

MASTERED

Model how to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.

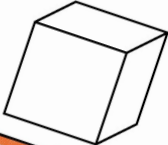

Have students complete the sheet on their own. Then, pair students up to check their answers. Have them correct any mistakes with their partners.

NOTES:

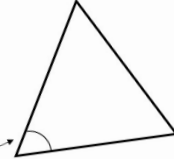

NOT SO WIMPY TEACHER

Includes interactive notebook activities for student practice.

Name the shape shown.

Name the part of the triangle shown.

Name the part of the quadrilateral shown.




UNIT NINE
TASK CARDS
GEOMETRY



REVIEW board game




LOSE A TURN (yellow), UP 2 SPACES (orange), GO AGAIN (grey), BACK 2 SPACES (pink), LOSE A TURN (yellow), UP 2 SPACES (orange), FINISH (yellow), BACK 5 SPACES (grey), LOSE A TURN (yellow), GO AGAIN (grey), UP 2 SPACES (orange), BACK 3 SPACES (yellow), GO AGAIN (orange), UP 2 SPACES (pink), BACK 2 (orange), GO AGAIN (grey), UP 2 SPACES (pink), BACK 2 SPACES (grey), UP 2 SPACES (yellow), BACK 2 (orange).



CARD 7:
How many sides does a hexagon have?

CARD 16:
Name the shape shown.

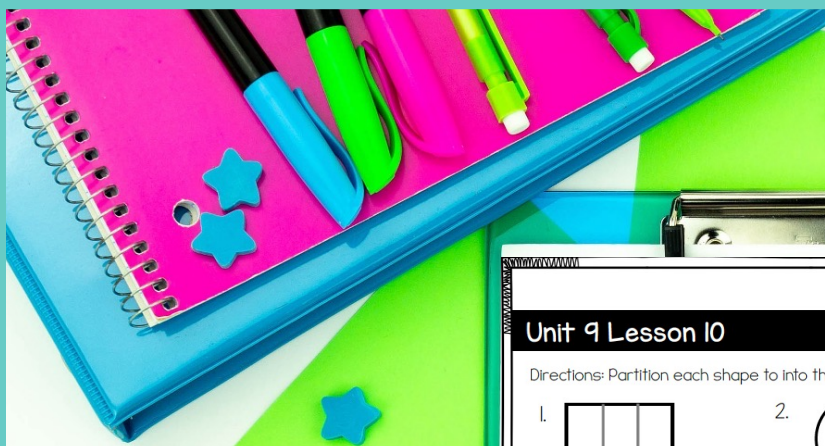


CARD 24:
How many angles does a quadrilateral have?



Keep students engaged and excited to practice with board games & task cards.












Name: _____


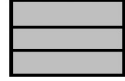


Unit 9 Lesson 10 Homework

Directions: Partition each shape into thirds.




1.  2.  3. 

Directions: Circle the shapes that are shaded to show one whole.

4.    

5.    

Directions: Partition each shape into thirds and then shade one third of the shape.

6.  7.  8. 

9. When you partition a shape into thirds, how many pieces are there?

Name: _____

Unit 9 Lesson 6 Exit Ticket

Directions: Fill in the blank on each statement to make it true.

1. A cube has 8 _____.

2. A cube has 6 _____.

3. A _____ is a solid shape.

4. A face is a _____ surface on a solid shape.

Word Bank


- cube
- vertices
- flat
- faces

Name: _____

Problem Set

Match each word to its definition.


- a solid shape with 6 faces and 8 vertices
- a quadrilateral with two sets of equal sides
- a shape with 3 sides, angles, and vertices
- a shape with 6 sides, angles, and vertices
- a shape with 5 sides, angles, and vertices
- a shape with 4 sides, angles, and vertices


4. 


Name: _____

Unit 9 Lesson 7 Exit Ticket

Directions: Name the shape on the lines below.

1.  _____

2.  _____

3.  _____

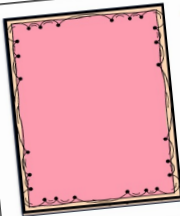
4. Use the space below to draw a pentagon.



Includes problem sets, homework, and exit tickets for each day.

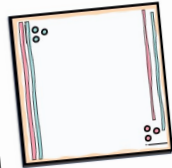
A PIECE OF CAKE

You baked a variety of cakes to sell, but you need to divide them into equal pieces to sell individually. Partition the cakes and write the total number of slices in each cake.



This cake has:
• 4 rows
• 3 columns

Total slices:



This cake has:
• 2 rows
• 2 columns

Total slices:

SLICES OF PIE

Customers are very excited to buy your delicious pies! Partition the pies below, then shade in the amount the customer would like to purchase. The first one is done for you.

1.



three fourths

2.



3.



4.



CUSTOM ORDERS

You received many customer orders before your sale, and you spent hours shaping and shading each customer's request. Use the clues on the pie cutters below to determine which customer's request the cookie below belongs to.

PBL ACTIVITY

GEOMETRY

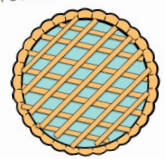
A BAKE-SALE THEMED
PROJECT-BASED
LEARNING ACTIVITY



CLOSING

Your bake sale is coming to an end, and you are almost out of blueberry pie. Answer the questions below to help sell your remaining pie.

1. Matt, Ted, and Genna want to share a blueberry pie. Cut the pie so that each person receives an equal amount.



2. Rosalia wants a cookie with four equal sides. Circle the cookie she should buy.



3. Mr. Gray wants to cut a round cake into 3 equal pieces.



4. Gloria wants a cookie with six equal sides.

PIE CUTTERS

Customers are ready to buy cookies! Read each customer's request and determine which pie cutter is needed for the order. The first one is done for you.

Item	Customer	Request	Item
	Donna	a cookie with six angles	
	Mateo	a cookie with three sides	
	Sophia	a cookie with four angles that isn't a square	
	Malikah	a cookie shaped like a hexagon	



Includes a bake-sale-themed project-based learning activity.

