#### FOURTH GRADE VIRTUAL LEARNING ASSIGNMENTS WEEK OF MAY 26-28

	МАТН	ELA
MONDAY	NO ASSIGNMENTS	NO ASSIGNMENTS MEMORIAL DAY OBSERVED
TUESDAY	LESSON 16-1	POEM A DAY: NUMBER POEM
	1.Read the essential question and important math ideas on page 822.	Read the directions and samples on how to write a number poem. On the attached template, write your own number poem.
	2. Complete the independent practice and problem solving on pages 823-824.	
WEDNESDAY	LESSON 16-2	POEM A DAY: FIVE SENSES POEM
	1.Read the essential question and important math ideas on page 828.	Read the directions and samples on how to write a five senses poem. On the attached template, write your own senses poem.
	2. Complete the independent practice and problem solving on pages 829-830.	
THURSDAY	LESSON 16-3	POEM A DAY: ACROSTIC POEM
	1.Read the essential question and important math ideas on page 834.	Read the directions and samples on how to write an acrostic poem. On the attached template, write your own acrostic poem.
	2. Complete the independent practice and problem solving on pages 835-836.	

IN ADDITION, STUDENTS MUST COMPLETE 20 MINUTES OF LEXIA AND IMAGINE MATH EACH DAY.

#### FOURTH GRADE VIRTUAL LEARNING ASSIGNMENTS WEEK OF JUNE 1-4

	МАТН	ELA
MONDAY	LESSON 16-4	POEM A DAY: ALLITERATION POEM
	1.Read the essential question and important math ideas on page 840.	Read the directions and samples on how to write an alliteration poem. On the attached template, write your own alliteration poem.
	2. Complete the independent practice and problem solving on pages 841-842.	
TUESDAY	LESSON 16-5	POEM A DAY: SHAPE POEM
	1.Read the essential question and important math ideas on page 846.	Read the directions and samples on how to write a shape poem. On the attached template, write your own shape poem.
	2. Complete the independent practice and problem solving on pages 847-848.	
WEDNESDAY	LESSON 16-6	POEM A DAY: PYRAMID POEM
	1.Read the essential question and important math ideas on page 852.	Read the directions and samples on how to write a pyramid poem. On the attached template, write your own pyramid poem.
	2. Complete the independent practice and problem solving on pages 853-854.	
THURSDAY	TEST ON TOPIC 16	"VIRTUAL POETRY CAFE" (SHARE THE POEM OF YOUR CHOICE LIVE ON ZOOM.)

IN ADDITION, STUDENTS MUST COMPLETE 20 MINUTES OF LEXIA AND IMAGINE MATH EACH DAY.





# Independent Practice \*

For **7–12**, use geometric terms to describe what is shown. Be as specific as possible.



\*For another example, see Set A on page 859.

### Problem Solving \*

**16.** Construct Arguments Bella names this line LM. Miguel names the line LN. Who is correct? Explain.



- **17. Construct Arguments** If all perpendicular lines are also intersecting lines, are all intersecting lines also perpendicular lines? Explain.
- **18. Model with Math** Draw three lines so two of the lines are perpendicular and the third line intersects the perpendicular lines at exactly one point. Label the lines with points.

**19. Higher Order Thinking**  $\overrightarrow{AB}$  is parallel to  $\overrightarrow{CD}$ , and  $\overrightarrow{CD}$  is perpendicular to  $\overrightarrow{EF}$ . Describe the relationship between  $\overrightarrow{AB}$  and  $\overrightarrow{EF}$ .



#### Assessment

- **20.** Which geometric term would you use to describe the power cables shown at the right?
  - A Perpendicular lines
  - B Parallel lines
  - © Intersecting lines
  - D Points







# Problem Solving \*

**16. Generalize** If the backyard shown at the right is an equilateral triangle. What do you know about the lengths of the other two sides that are not labeled?



**17. Math and Science** A rabbit's field of vision is so wide that it can see predators that approach from behind. The diagram shows the field of vision of one rabbit. Classify the triangle by its sides and its angles.



- **18. Construct Arguments** Can an obtuse triangle also be an equilateral triangle? Explain.
- **19. Higher Order Thinking** Mitch draws a triangle with one obtuse angle. What are all the possible ways to classify the triangle by its angle measures and side lengths? Explain.

#### Assessment

20. Draw each triangle in its correct angle classification.

	Acute	Obtuse	Right
D			
<u> </u>			



Name



0

5.

7.

**Do You Know How?** 

4.

6.

For **4–7**, write all the names

possible for each quadrilateral.



Perpendicular sides form right angles. Can a trapezoid have perpendicular sides?

A trapezoid can have two right angles that form perpendicular sides. A trapezoid with two right angles is called a right trapezoid.





- **1. Use Structure** What is true about all quadrilaterals?
- 2. What is the difference between a square and a rhombus?
- 3. Shane drew a quadrilateral with at least 2 right angles and at least 1 pair of parallel sides. Name three quadrilaterals Shane could have drawn.

# Independent Practice \*

For 8-11, write all the names possible for each quadrilateral.



#### **Problem Solving** 12. Algebra Jamie swims at a swimming pool. The length of 150 yards the pool is 25 yards. She swam a total of 150 yards. How n swims 25 many times did she swim the length of the pool? Use the bar ŧ diagram to write and solve an equation to find the answer. Yards per swim 13. Critique Reasoning Tia says every 14. Construct Arguments Is it possible for square is a rectangle, and every square is a quadrilateral to be both a rhombus and a rhombus, so every rectangle must be a parallelogram? Explain. rhombus. Do you agree? Explain. 15. Number Sense What number comes **16. Reasoning** All the sides of an equilateral next in the pattern? The rule is "Multiply triangle are the same length. Is an the position number by itself." Describe a equilateral triangle also a rhombus? feature of the pattern. Explain. 1, 4, 9, 16, 17. Higher Order Thinking Could you use the formula for The formula for finding the perimeter of a square to find the perimeter perimeter of a square of another quadrilateral? Explain. is $P = 4 \times s$ . Assessment 18. Ben draws the shape shown at the right. He says the shape can be classified as a quadrilateral, trapezoid, and a parallelogram. Is Ben correct? Explain.





# Problem Solving\*

- **20.** The Thomas Jefferson Memorial is located in Washington, D.C. Use the picture of the memorial at the right to decide whether the building is line symmetric. If so, describe where the line of symmetry is.
- **21.** Name the type of triangle outlined in green on the picture of the memorial.
- 22. Construct Arguments How can you tell when a line is **NOT** a line of symmetry?
- **23. Higher Order Thinking** How many lines of symmetry can a parallelogram have? Explain.

#### Assessment

24. Which figure has six lines of symmetry? Draw lines as needed.





**842 Topic 16** Lesson 16-4





\*For another example, see Set E on page 860.

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## Problem Solving\*

- **11. Reasoning** Draw a figure that has no lines of symmetry.
- **12. Reasoning** Vanessa drew a figure that has an infinite number of lines of symmetry. What figure could Vanessa have drawn?
- 13. Math and Science Dogs can smell odors that humans cannot. Dogs can be trained to alert their owners when they smell odors associated with illness. If a dog trains 2 hours every day for 1 year, how many hours has the dog trained? What do the total number of training hours equal in days? About how many weeks?
- 14. Clare trained for a long distance marathon. She ran a total of 225 miles in 3 months. The first month she ran 50 miles. If she ran 25 more miles each month, how many miles did she run in her third month of training?
- Remember, there are 365 days in a year, 24 hours in a day, and 7 days in a week.
- 15. Higher Order Thinking Can you draw a line that divides a figure in half, but is NOT a line of symmetry? Use the figures below to explain.



#### Assessment

16. Which of the following figures is symmetric about the dashed line?



848 **Topic 16** Lesson 16-5





### Problem Solving \*

Performance Assessment

#### Dog Pen

Caleb is designing a dog pen for the animal shelter. He has 16 feet of fence, including the gate. His designs and explanation are shown. Critique Caleb's reasoning.

**7. Reasoning** What quantities are given in the problem and what do the numbers mean?



- 8. Critique Reasoning What can you do to critique Caleb's thinking?
- **9. Be Precise** Did Caleb correctly calculate the perimeter of each fence? Explain.
- When you critique reasoning, you ask questions to help understand someone's thinking.
- **10. Critique Reasoning** Does Caleb's reasoning make sense? Explain.

**11. Reasoning** Explain how you know what units to use in your explanation.

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Topic 16 | Lesson 16-6

#### Name



 Leo draws a figure with two pairs of parallel sides and incorrectly identifies it as a trapezoid. Identify the shape. Explain.



- (A) Isosceles
- B Equilateral
- © Scalene
- D None of the above
- **3.** Robin drew several lines. Draw a line that is perpendicular to  $\overrightarrow{AB}$ .



**4.** Bree described a yardstick as a length of wood that starts at 0 and continues on to 36 inches. Which geometric term best describes Bree's description of a yardstick?

5. Mrs. Anderson decorated a set of chairs with the stencil shapes shown below. Which shape has exactly 1 line of symmetry?



6. What geometric term best describes a pair of lines that form a right angle? What geometric term best describes a pair of lines that never intersect? Draw a picture to illustrate your answers.



7. For questions 7a–7d, choose Yes or No to tell if each quadrilateral always has all sides equal in length and opposite sides that are parallel.

7a. Square	$\bigcirc$ Yes	$\bigcirc$ No
7b. Rhombus	$\bigcirc$ Yes	$\bigcirc$ No
7c. Parallelogram	$\bigcirc$ Yes	$\bigcirc$ No
7d. Trapezoid	$\bigcirc$ Yes	$\bigcirc$ No

8. Marina drew an equilateral triangle and named it triangle XYZ. Marina measured the perimeter and labeled it P = 21 inches. What are the lengths of the sides of the triangle? Explain.

#### 9. Which set of angles could form a triangle?

- A Three right angles
- B Three acute angles
- © Two right angles, one acute angle
- D One right angle, one obtuse angle, one acute angle
- **10.** Julian named a figure that has one pair of parallel lines, two right angles, and four sides. What geometric term did Julian use to name the figure?

- 11. Nikko looks at a map and uses a geometric term to describe two streets that cross, but not at a right angle. What term could Nikko use?
- **12.** Anna chose these shapes.



She said the following shapes did not belong with the ones she chose.



What generalization can be made about the shapes Anna chose?



13. Complete the drawing so the figure is line symmetric.





# NUMLER POEM

Number poems are ten lines long and can rhyme but do not have to. These poems can start at one and go to ten, or they may start at ten and countdown to one.

# CONJY Shop

By Miss Larson

One rainbow lollipop, Two pink cotton candies, Three yellow gumballs, Four huge jawbreakers, Five golden brown caramels, Six sweet chocolate bars, Seven pieces of red licorice, Eight green-apple hard candies, Nine sour gummy worms, Ten kids at the counter.





SOLOR SYSTEM By Miss Larson

Ten asteroids floating through space, Nine stars twinkling in the night sky, Eight planets revolving around the sun, Seven satellites hovering over Earth, Six comets zooming around the sun, Five moons circling Pluto, Four constellations sparkling nightly, Three astronauts waiting for take-off, Two rovers searching for signs of life, One sun shining in our solar system.

ber ,	Haiku	Haiku Alliteration	Haiku Alliteration Shape



My five Senses Poem	
Five Senses poems are six lines long and do not rhyme. This type of poetry uses similes, which compare things using the words "like" or "as". Directions: Line I. Choose a topic (places, seasons, sportsnot an animal) and	Five Senses
Line 2. Tell what the topic might taste like (if it had a taste) Line 3. Tell what the topic might sound like (if it had a sound) Line 4. Tell what the topic might smell like (if it had a smell) Line 5. Tell what the topic looks like.	Acrostic
Title	Cinquain
	Number
It tastes	Haiku
It sounds	Aliter
It smells	ation
It looks	Shape
It makes me feel	Triplets

# ACCOSTIC POED Choose a word to write in capital letters down the left side of your paper. You can choose something you're interested in or even your name! Then write phrases that start with each of the letters in that word. This type of poetry does not have to rhyme.

Only good the first day, Need a cold glass of milk with them, Usually like chocolate donuts with sprinkles the best, Tastes like a little bit of heaven, Super sweet once in awhile treat.

#### Ocean By Miss Larson



Octopus swims near the rocks, Crab crawls on the sand, Eel slithers in a sea cave, Angelfish swims gracefully under the waves, Narwhal hunts for fish in the Arctic.

My acrostic Poem	
Choose a word to write in capital letters down the left side of your paper. You can choose something you're interested in or even your name! Then write phrases that start with each of the letters in that word. This type of poetry does not have to rhyme.	
 	Acrostic
	Cinqualin
	Number
	Haiku
	Alliteration
	Shape
© The Teacher Next Door	Triplets



My alliteration Poem	
Choose a good letter (avoid difficult ones like x, k, i, etc.). Make the longest sentence you can using mostly words that start with your letter. It's okay to include a few small words like <i>a</i> , <i>and</i> , or <i>the</i> where needed. Your sentence may be as silly as you'd like it to be!	
Title	
	Allter
	ation
	ŝ
	nape
	Triplet



# My Shape Poen

Shape poems, also called concrete poems, can be written in two ways. The first way is to draw (or insert) an object and write a poetic description of that object inside of the shape. The second way is to draw (or insert) an object and to write the poem around the outline of the object.



# Pyramid Poem Pyramid poems are shaped like pyramids and follow a specific format. Line I: One noun Line 2: Two adjectives Line 3: Three "ing" verbs Line 4: Two short phrases or a question The Horse By Miss Larson Horse, Strong, graceful, Trotting, cantering, galloping, Beautiful creature, Lovely to ride. Baseball WHANNAN W By Miss Larson Baseball. Fun, exciting, Throwing, batting, catching, American sport, Great game. ©The Teacher Next Doo

MyPyraniaPoen	Pyramid
Pyramid poems are shaped like pyramids and follow a specific format.	Five Senses
Line I: One noun Line 2: Two adjectives Line 3: Three "ing" verbs Line 4: Two short phrases or a question	Acrostic
	Cinquain
Title	Number
	Haiku
	Allteration
	Shape
D The Teacher Next Door	Triplets