

NTI DAY 12



Harrison County Schools

Name: _____

Grade: 4

Teacher: _____

Complete within 2 weeks of returning to school.

Day 12 Checklist (complete ALL items on the checklist)

Reading

- _____ Mini lesson - read Read and Comprehension
 - Target Skill - Compare and Contrast
 - Target Strategy - Analyze/Evaluate
 - Preview the Topic - Animal Behavior

- _____ Read the story **Owen and Mzee** pages 717 - 727 **(keep story for use in future days)**

- _____ Choose a writing prompt to answer from the writing grid. Be sure to follow the criteria listed on the criteria page. (minimum of 1 paragraph)

Math

- _____ Complete Daily Common Core Review 8-2

- _____ Mini Lesson 16 - 2 (Classifying Triangles)
 - Video can be found at
https://media.pk12ls.com/curriculum/math/enVisionmath_CC20_K6_2016_EN/ALVs/A0280322/player.html or students can read the lesson of the video on the attached sheet page 828

- _____ Complete homework practice pages 831 - 832

- _____ Additional online resources:
 - Number Rock: Types of Angles
<https://www.youtube.com/watch?v=NVuMULQjb3o>
 - Number Rock: Triangle Song-Types of Triangles
<https://www.youtube.com/watch?v=JQUTVgT9RXY>

Science

- _____ Complete "Check your Comprehension" **(use with day 11 Passage)**

- _____ Complete " Practice Vocabulary"

Visual Arts

- _____ Complete Art at Home K-5 Activity

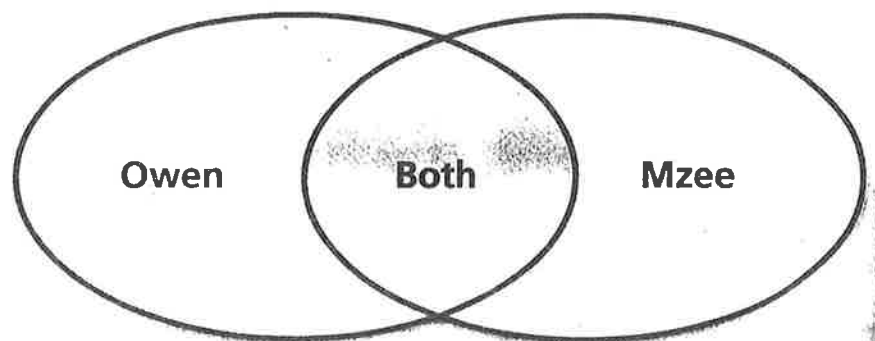


Read and Comprehend



✓ TARGET SKILL

Compare and Contrast The next selection is about two very different animals who find a common bond. As you read "Owen and Mzee," look for ways in which the authors organize information to show how the two animals are **alike** and **different**. Think about each animal's size, age, and situation. Use a graphic organizer like the one below to help you note their similarities and differences.



✓ TARGET STRATEGY

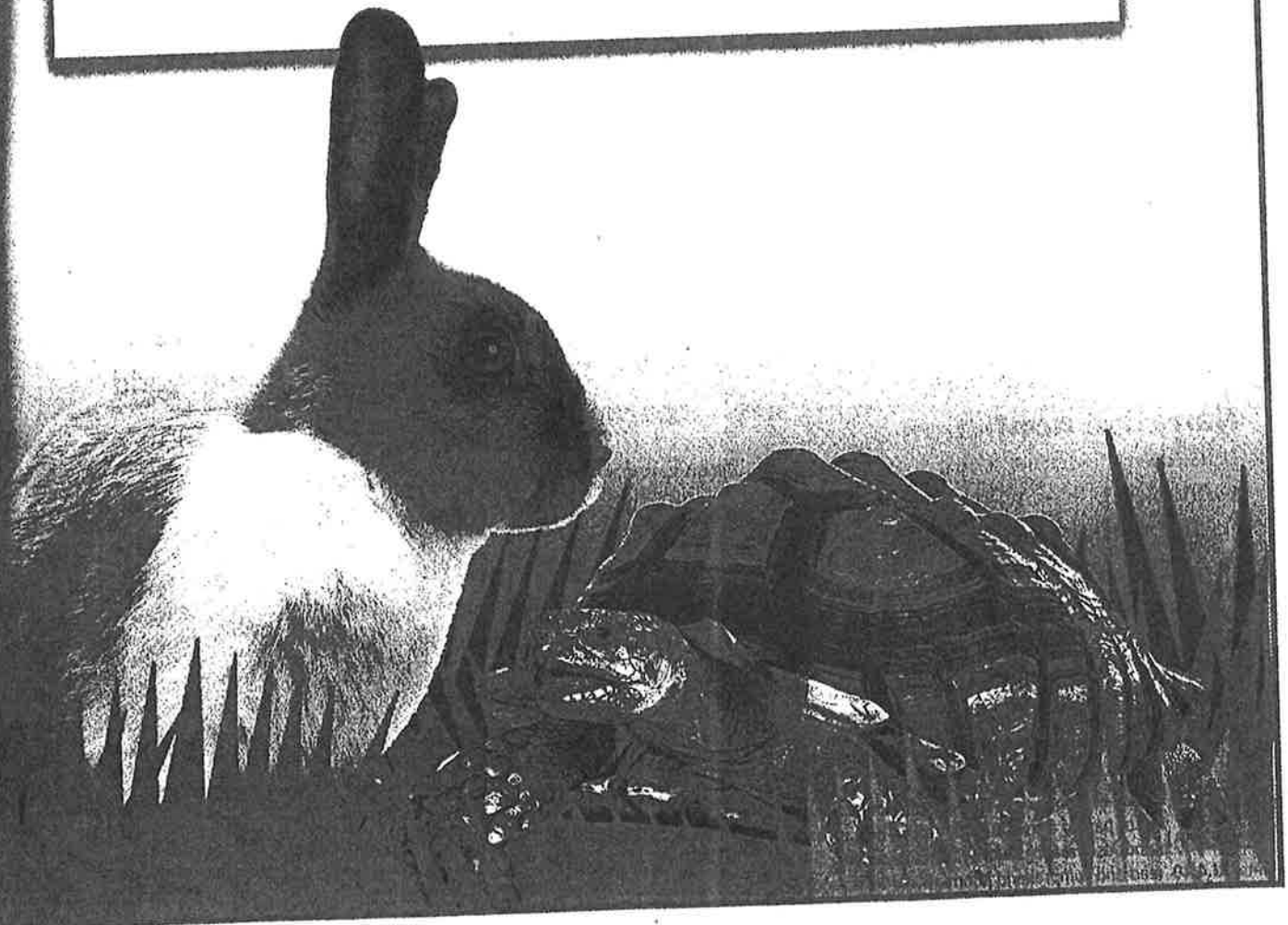
Analyze/Evaluate When you analyze and evaluate a text, you think carefully about what you have read. You use text evidence to form your own opinion about the topic.

PREVIEW THE TOPIC

Animal Behavior

By studying animal behavior, what do you think scientists are trying to find out? One thing they are trying to learn more about is how animals form social bonds, or close ties with each other. Most of the time, the bonds that form between animals are easy to predict. Sometimes, though, animals form bonds that shock even the experts.

"Owen and Mzee" is a true story about a baby hippo and an old tortoise that meet at an animal-rescue center. As you read, you'll find out why these two animals made headlines all over the world.



OWEN & MZEE



THE TRUE STORY OF A
REMARKABLE FRIENDSHIP

by Isabella Hatkoff, Craig Hatkoff, and
Dr. Paula Kahumbu
photographs by Peter Greste

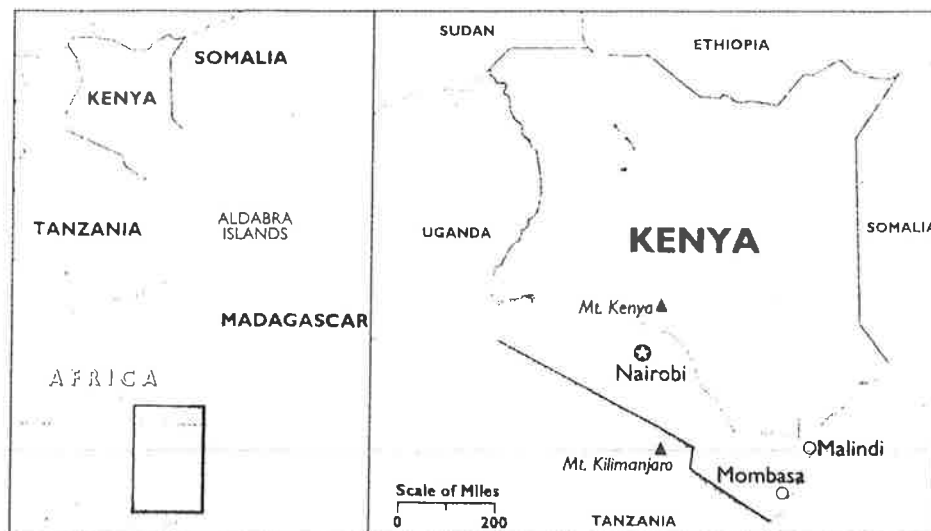
ESSENTIAL QUESTION

How can animal
behavior be like
human behavior?



This story began in Malindi, Kenya, on the east coast of Africa, in December 2004. A pod of hippopotamuses was grazing along the shore of the Indian Ocean. Suddenly, giant, surging waves from a tsunami (tsu NAH mee) rushed high onto the beach. The powerful waves caused destruction for miles around. After the water went down, only one hippo remained, and it was stranded on a reef. Hundreds of villagers worked for hours to rescue the six-hundred-pound baby. Finally, a man named Owen caught the animal, which was later named after him. The rescuers wrapped the hippo in a net and placed him in a pickup truck.

People weren't sure where Owen should be taken next. They called Haller Park, an animal sanctuary about fifty miles away, near the city of Mombasa. Dr. Paula Kahumbu, the manager, immediately offered Owen a place to live there. She explained that he could never be returned to the wild. Since he was still a baby, he wouldn't have learned yet how to fend for himself. And he would never be welcomed into another hippo pod—he would be seen as an intruder and attacked. But they would take good care of him in Haller Park. Dr. Paula offered to drive to Malindi herself to bring Owen to his new home.





Dr. Paula, Stephen, and Sabine were eager to help the orphaned hippo.

Dr. Paula knew she would need help. She asked the chief animal caretaker, Stephen Tuei, to come along with her. She knew that Stephen had a special way with animals. Some people said he could even talk to them. Dr. Paula and Stephen quickly set off in her small truck to Malindi.

Meanwhile, ecologist Sabine Baer got to work with others at Haller Park to prepare for Owen's arrival.

When Dr. Paula and Stephen arrived in Malindi, they helped to remove the nets and lead Owen out of the pickup. But Owen became angrier than ever and charged at the people gathered around. They tried to help him calm down by wrapping a blanket around his head. That way, he wouldn't see the things that were upsetting him. But Owen was angry about that, too. After many hours, about a dozen rescuers managed to move Owen from the pickup into Dr. Paula's truck, tying him so that he would be safe during the long drive to Haller Park.



Stephen tickles Mzee.

Meanwhile, Sabine and other workers prepared a large enclosure for Owen. They chose a part of the park that had a pond and a mud wallow, as well as tall trees and brush—everything a hippo could want. The area was already home to a number of bushbucks, vervet monkeys, and a giant Aldabra tortoise called Mzee (mzay).

Mzee, whose name means “wise old man” in the Swahili (swah HEE lee) language, was the oldest creature in the park. At about 130 years of age, he had been alive since before Stephen’s great-grandmother was born. He wasn’t very friendly, except to Stephen, who seemed to know just what he liked, such as getting tickled under the chin. Otherwise, Mzee kept to himself.

No one could have guessed how Mzee’s life was about to change.

Finally, Dr. Paula and Stephen arrived with Owen, who was now weak and exhausted. As soon as the ropes that held him were untied, Owen scrambled from the truck directly to Mzee, resting in a corner of the enclosure. Owen crouched behind Mzee, the way baby hippos often hide behind their mothers for protection. At first, Mzee wasn't happy about this attention. He hissed at Owen and crawled away. But Owen, who could easily keep up with the old tortoise, did not give up. Slowly, as the night went on, Mzee began to accept his new companion. When the park workers checked on them in the morning, Owen was snuggled up against Mzee. And Mzee didn't seem to mind at all.

At first, Mzee crawled away, but Owen wouldn't give up.



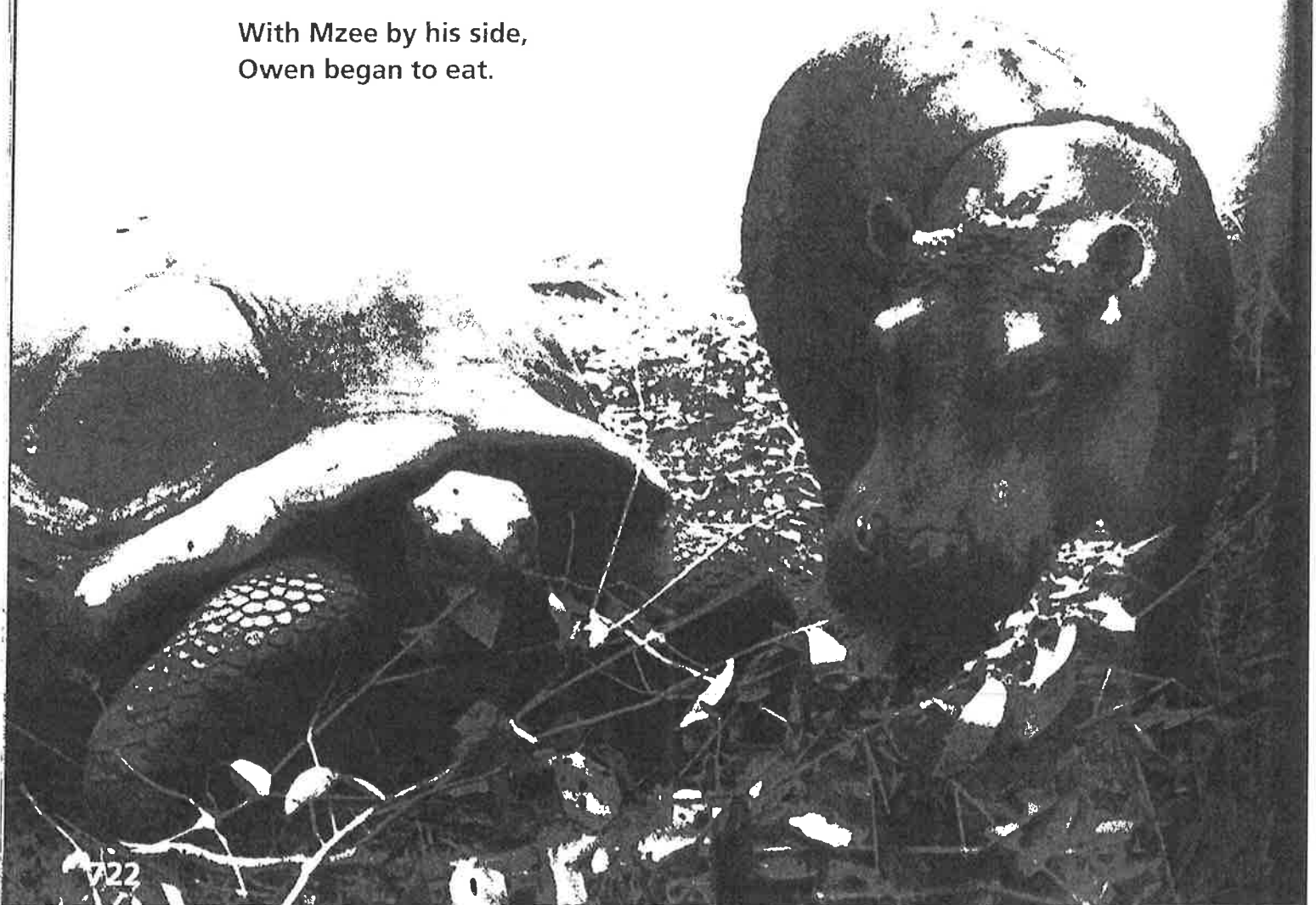
ANALYZE THE TEXT

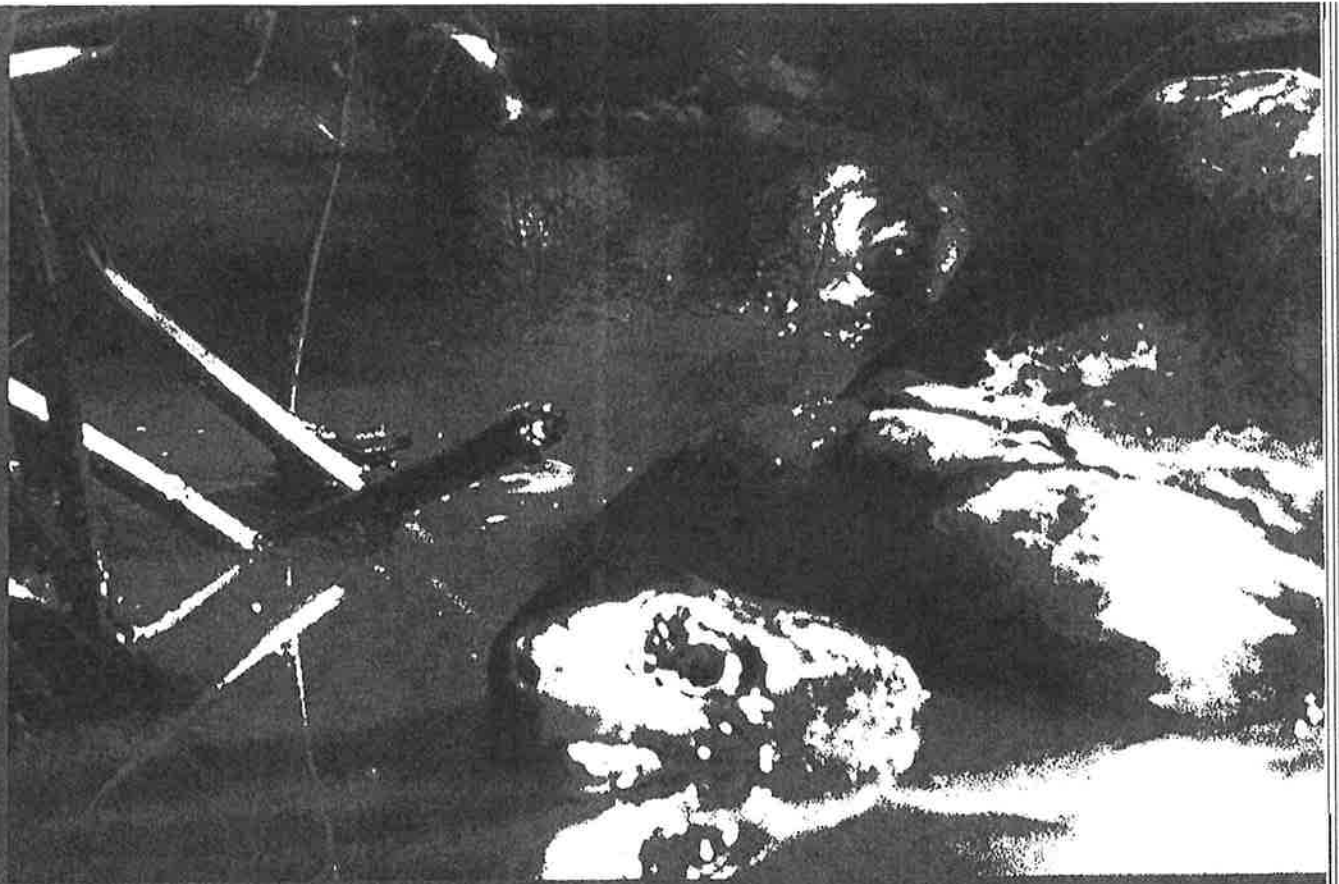
Fact and Opinion Find one fact and one opinion on this page. How did you tell which was a fact and which was an opinion?

Over the next few days, Mzee continued to crawl away, and Owen continued to follow him. But sometimes it was Owen who would walk away from Mzee, and Mzee who would follow. Bit by bit, Mzee grew friendlier.

At first, Owen wouldn't eat any of the leaves left out for him. Stephen and the other caretakers were worried that he would weaken even more. Then they noticed Owen feeding right beside Mzee, as if Mzee were showing him how to eat. Or perhaps it was Mzee's protective presence that helped Owen feel calm enough to eat. No one will ever know. But it was clear that the bond between Owen and Mzee was helping the baby hippo to recover from being separated from his mother and stranded in the sea.

**With Mzee by his side,
Owen began to eat.**





Both hippos and tortoises love the water.

As the weeks went on, Owen and Mzee spent more and more time together. Soon, they were inseparable. Their bond remains very strong to this day. They swim together, eat together, drink together, and sleep next to each other. They rub noses. Owen leads the way to different parts of the enclosure, then Mzee leads the way. Owen playfully nuzzles Mzee's neck, and Mzee stretches his neck forward asking for more, just as he does when Stephen tickles him under the chin. Though both animals could easily injure each other, they are gentle with one another. A sense of trust has grown between them.

ANALYZE THE TEXT

Author's Word Choice The authors use careful word choice to shape your opinion about Owen and Mzee's friendship. How do words such as *snuggled* and *inseparable* shape your opinion of the pair?



Owen nuzzles Mzee's ticklish neck.

Wildlife experts are still puzzled about how this unlikely friendship came to be. Most have never heard of a mammal, such as Owen, and a reptile, such as Mzee, forming such a strong bond.

Perhaps for Owen, it happened this way: Young hippos like Owen need their mothers in order to survive. An old, slow tortoise like Mzee can never protect Owen the way a fierce mother hippo could. But since Mzee's coloring and rounded shape are similar to a hippo's, it's possible that to Owen, Mzee looks like the hippo mother he needs.

Harder to explain is the affection that Mzee seems to show for Owen. Like most Aldabra tortoises, Mzee had always preferred to be alone. But sometimes these tortoises live in groups, and perhaps Mzee sees Owen as a fellow tortoise, the first tortoise he is willing to spend time with. Or perhaps Mzee knows that Owen isn't a tortoise, but likes him anyway.

The reasons are unclear. But science can't always explain what the heart already knows: Our most important friends are sometimes those we least expected.

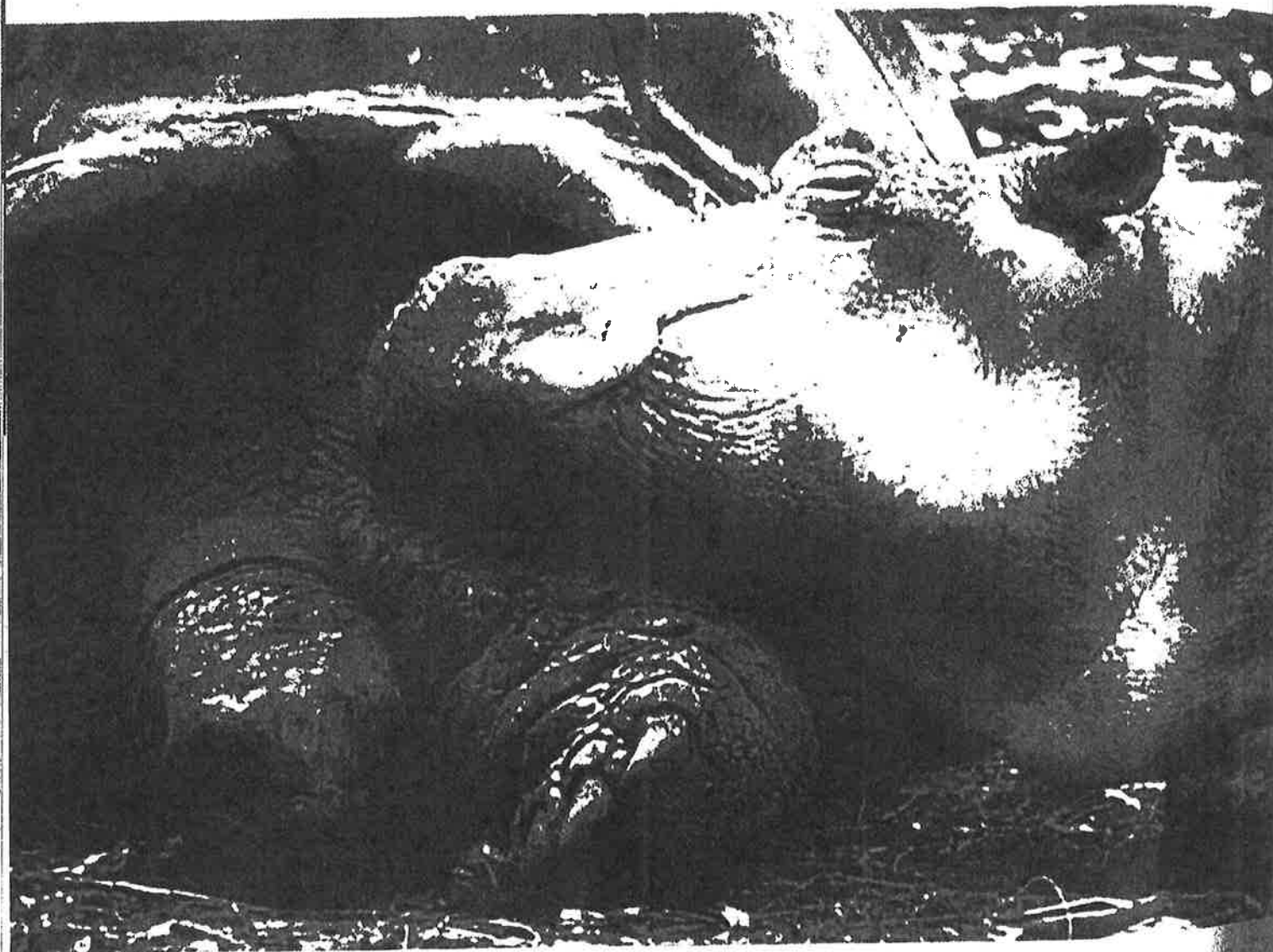
News of Owen and Mzee's friendship quickly spread around the world. People all over have come to love Owen, who endured so much, yet never gave up, and Mzee, who became Owen's friend when he needed one most. Their photographs have appeared in countless newspaper and magazine articles. Television programs and even a film documentary have been made about them. Visitors come to Haller Park every day to meet the famous friends.

ANALYZE THE TEXT

Compare and Contrast How are Owen and Mzee alike? How are they different? Use details from the text to explain these similarities and differences.

Owen and Mzee look out for each other.

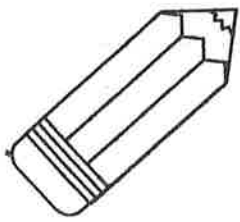




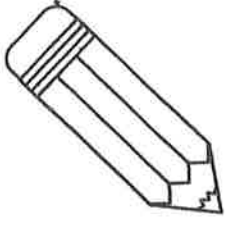
Owen's future is bright.

Owen suffered a great loss. But with the help of many caring people, and through his own extraordinary (ihk STROHR dn ehr ee) resilience, Owen has begun a new, happy life. Most remarkable is the role that Mzee has played. We'll never know for sure whether Owen sees Mzee as a mother, a father, or a very good friend. But it really doesn't matter. What matters is that Owen isn't alone—and neither is Mzee.

And that is the true story of Owen and Mzee, two great friends.



Writing Topic Grid



<p>If you had to spend the whole day outside in the beautiful weather, write about what you would do.</p>	<p>Should students go to school year round, with two weeks at school, then two weeks off? Explain why or why not.</p>	<p>There are 24 hours in a day. Write about what your day would be like if there were only 6 hours in a day.</p>	<p>If you had to give up something that you love for one week, what would it be?</p>
<p>What does it mean to appreciate someone? What are some things you can do to show them you appreciate them?</p>	<p>Write an entry using this opening sentence: I'll never forget the time when...</p>	<p>Write about some chores you are responsible for at home, or ways that you help out around the house.</p>	<p>If you were going to open a restaurant, what would it be called? What are some things that would be on the menu?</p>
<p>If you were going on a picnic, describe what would be in your basket.</p>	<p>Would you rather have no TV, no computer, or no video games? Explain.</p>	<p>FREE CHOICE</p>	<p>Should stores be allowed to continue selling junk food, or should they be forced to stop?</p>
<p>What is one invention already exists that you wish YOU thought of? Why?</p>	<p>If you could be an author and write any book, what would be the title? What would it be about?</p>	<p>If you could only eat one food for the rest of your life, what would it be and why?</p>	<p>It's BBQ season! What is your favorite thing to eat at a BBQ?</p>
<p>FREE CHOICE</p>	<p>If you could create a special burger, what would it be called? What toppings would be on it?</p>	<p>If you could be on a reality TV show, would you be on a show about singing, dancing, cooking, or adventure?</p>	<p>FREE CHOICE</p>

Criteria

Expository:

- My writing gives information about my topic and has interesting ideas.
- My writing is organized so that a main idea and its details are in the same paragraph.
- My writing uses interesting words and sentences.

Persuasive:

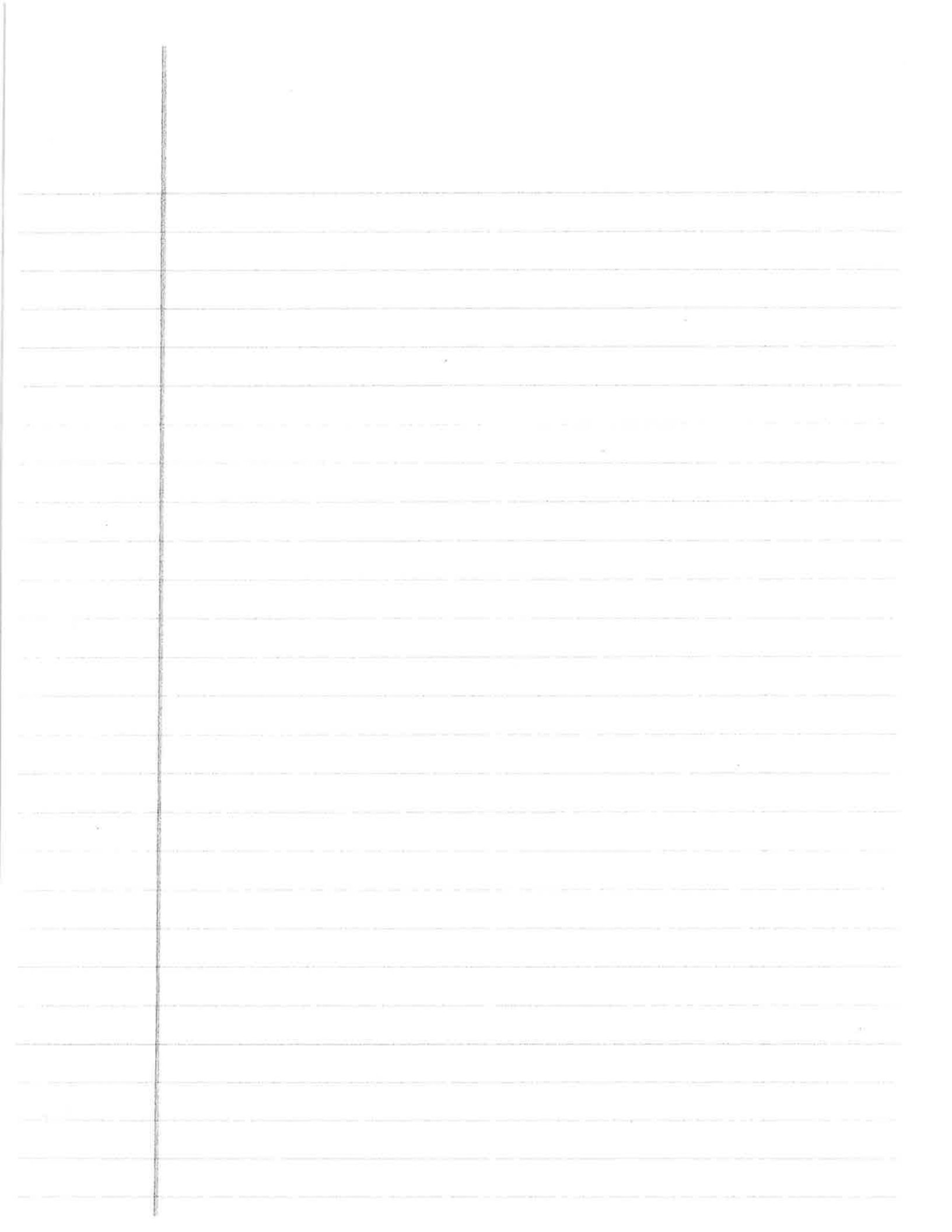
- My writing persuades or convinces someone of something and has interesting ideas.
- My writing is organized in paragraphs with detailed reasons for supporting my idea.
- My writing uses interesting words and sentences.

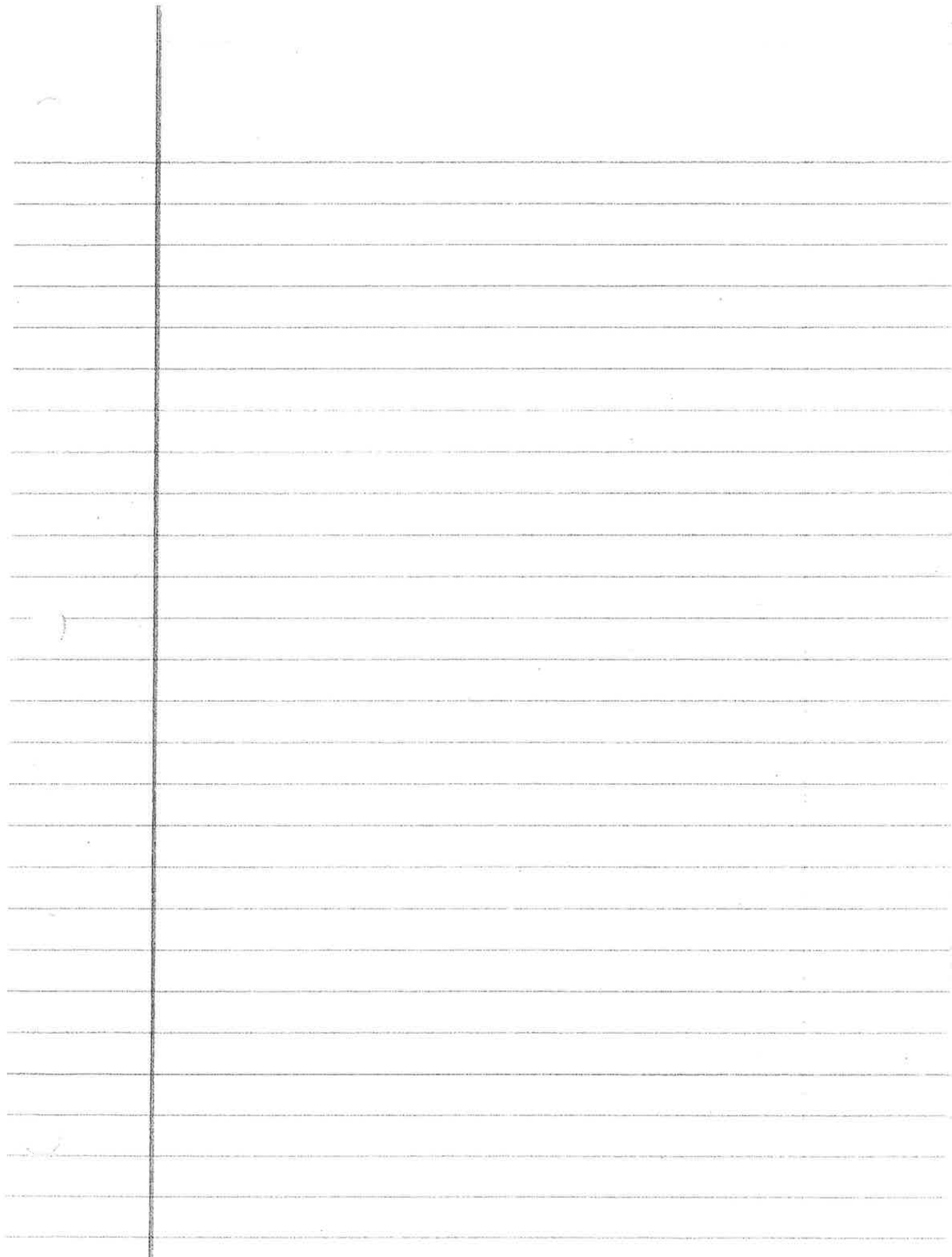
Narrative:

- My writing tells a story with detailed events and has interesting ideas.
- My writing is organized in paragraphs for each main idea.
- My writing uses interesting words and sentences.

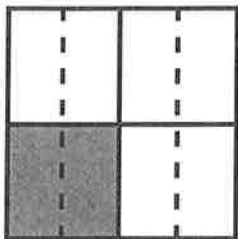
Poetry:

- My poem has a main idea.
- My writing uses creative poetry devices (eg. simile, alliteration etc.)
- My writing uses interesting words.





1. Gina buys $\frac{1}{4}$ yard of material to make a pillow. Which fraction is equivalent to $\frac{1}{4}$?



- (A) $\frac{4}{8}$ (C) $\frac{2}{8}$
(B) $\frac{3}{8}$ (D) $\frac{1}{8}$

2. Which list includes all factors of 40?

- (A) 1, 2, 4, 10, 20, 40
(B) 1, 2, 4, 5, 8, 10, 20, 40
(C) 1, 2, 4, 5, 6, 8, 10, 20, 40
(D) 1, 2, 3, 4, 10, 12, 20, 40

3. Juan has 26 beach balls. Each beach ball has 16 stripes. How many stripes are there in all?

- (A) 182 stripes
(B) 386 stripes
(C) 416 stripes
(D) 566 stripes

4. Which shows a pair of equivalent fractions?

- (A) $\frac{2}{4}, \frac{1}{3}$
(B) $\frac{3}{5}, \frac{6}{12}$
(C) $\frac{4}{8}, \frac{1}{2}$
(D) $\frac{6}{12}, \frac{1}{3}$

5. Keith has a package of 75 marbles. He gave an equal number of marbles to each of his 8 friends. How many marbles will be left over?

6. Last year Roberto traveled 1,435 miles for work. Write the number name for 1,435.

7. It took Jan 3 hours to do the laundry, walk the dog, and mow the lawn. How many minutes did it take Jan? Remember, there are 60 minutes in an hour.

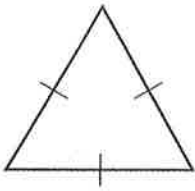
8. Write a fraction equivalent to $\frac{3}{5}$.



9. A benefit concert raised \$12,350 for research this year. Last year, the benefit concert raised \$11,975. How much money was raised from the benefit concert both years?

How Can You Classify Triangles?

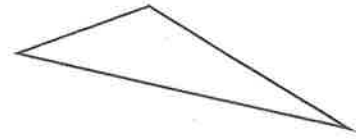
A Triangles can be classified by the line segments that make their sides.



An equilateral triangle has 3 sides the same length.

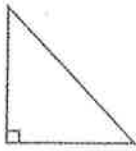


An isosceles triangle has at least 2 sides the same length.

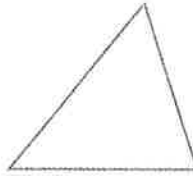


A scalene triangle has no sides the same length.

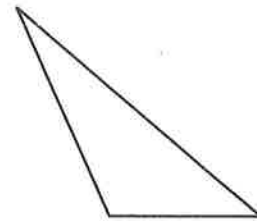
B Triangles can be classified by their angle measures.



A right triangle has one right angle.



An acute triangle has three acute angles. All of its angles measure less than a right angle.



An obtuse triangle has one obtuse angle. One angle has a measure greater than a right angle.



Triangles can also be classified by both their angle measures and their sides. The red triangle is an obtuse scalene triangle.

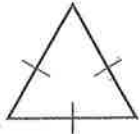
Convince Me! © MP.6 Be Precise Can a triangle have more than one obtuse angle? Explain.

Homework & Practice 16-2

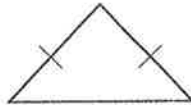
Classify Triangles

Another Look!

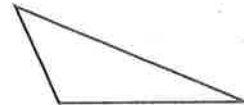
Triangles can be classified by their angle measures, side lengths, or both.



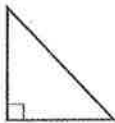
Equilateral triangle
All sides are the same length.



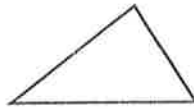
Isosceles triangle
At least two sides are the same length.



Scalene triangle
No sides are the same length.



Right triangle
One angle is a right angle.

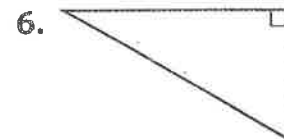
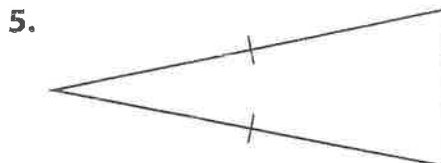
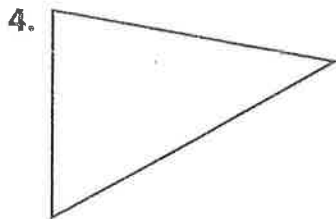
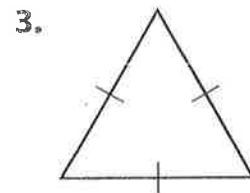
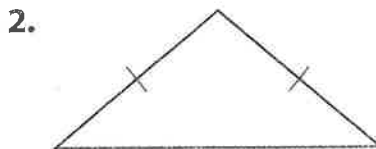
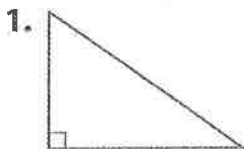


Acute triangle
All three angles are acute angles.



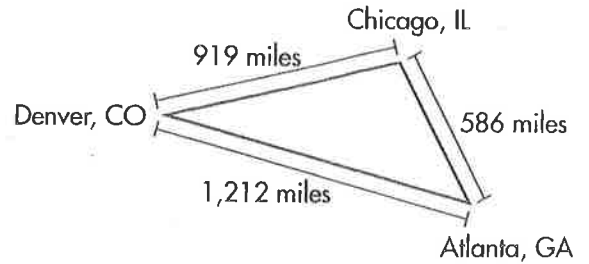
Obtuse triangle
One angle is an obtuse angle.

For 1–6, classify each triangle by its sides and then by its angles.



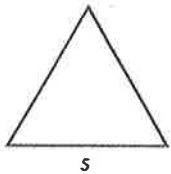
For 7–8, use the figure at the right.

7. Hilary flew from Denver to Atlanta for business. From Atlanta, she flew to Chicago to visit her aunt. From Chicago, she flew back home to Denver. Classify the triangle made by her complete flight path.



8. How many miles complete the triangle made by Hilary's flight path?

9. **Algebra** The triangle shown is an equilateral triangle. Write an addition equation and a multiplication equation to show how to find the perimeter, p , of the triangle when s is the measure of one side.



10. **Vocabulary** Fill in the blanks to correctly complete the sentences:

A _____ triangle has no sides the same length.

A triangle with one 90° angle is called a _____ triangle.

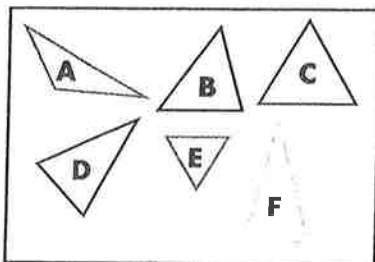
An isosceles triangle has _____ sides the same length.

11. **MP.3 Critique Reasoning** Sylvia says a right triangle can have only one right angle. Joel says a right triangle can have more than one right angle. Who is correct? Explain.

12. **Higher Order Thinking** Dani measured the angles of a triangle as 120° , 36° , and 24° . Then, she measured the side lengths as 25.3 cm, 17.2 cm, and 11.8 cm. She said her triangle is an isosceles obtuse triangle. Do you agree? Explain.

Common Core Assessment

13. Draw each triangle in its correct side classification.



Isosceles	Equilateral	Scalene



Check Your Comprehension

Circle the letter of the correct answer.

- Which word means that all of one kind of animal is in danger of dying?
 - A endangered
 - B ecosystem
 - C environment
 - D habitat
- Which sentence about ecosystems is correct?
 - A There is one large habitat in an ecosystem.
 - B Ecosystems include only nonliving things.
 - C In an ecosystem, animals and plants interact with living and nonliving things to survive.
 - D All ecosystems have cold climates.
- Which of these is NOT an adaptation?
 - A an oily coating on a tree leaf
 - B a deer walking on the forest floor
 - C a monkey that has very long arms
 - D an insect that looks like a twig
- A word that describes a rain forest environment is _____.
 - A cold
 - B damp
 - C camouflage
 - D adaptation

Write the answer to each question.

5. Why do you think animals need habitats? _____

6. How do plants and animals interact in an ecosystem? Use an example to explain your answer. _____

Practice Vocabulary

Complete each sentence with a word from the box below.

endangered

oxygen

ecosystem

tropical

habitat

environment



1. A gas that all animals need to stay alive is _____.
2. A _____ area is warm and damp.
3. A _____ is where an animal lives and grows.
4. A swamp has an _____ with warm weather, muddy ponds, fish, and alligators.
5. Some kinds of animals are _____, or in danger of dying.
6. An _____ includes living and nonliving things that interact.

Write a sentence to answer each question.

7. What is an **adaptation** that helps spider monkeys stay alive in the rain forest?


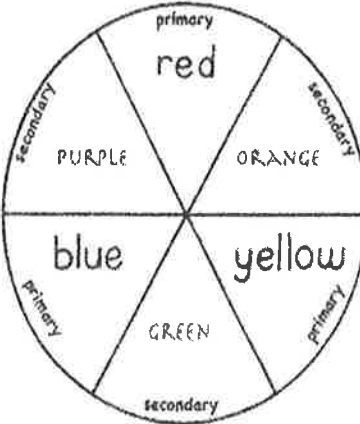
8. How does a toucan **interact** with a tree? _____

9. How do some animals **survive** in the desert? _____

10. Where can a green snake use its **camouflage** to hide? _____

NTI ART AT HOME K-5

Directions: For NTI day 12, choose one activity to complete for art class. Use any materials you have at home to complete the challenge. Take your time and have FUN!

<p>Draw a shamrock (four leaf clover) and fill it with zentangle designs.</p> 	<p>*** Create something out of found objects (recycled goods, things found in nature, etc.). ***</p> <p>Parent Initial: _____</p>	<p>*** Make a beautiful rainbow out of the materials of your choice. ***</p> <p>Parent Initial: _____</p>
<p>Collage: a piece of art created by combining photos, magazine clippings, or other materials onto a surface such a paper and cardboard (pizza boxes, cereal boxes).</p> <p>Create an "All About ME" collage.</p>	<p>*** Using household items, create a color wheel by correctly arranging the items in a circle. ***</p>  <p>Parent Initial: _____</p>	<p>Research an artist. Complete an Artist Study.</p> <ul style="list-style-type: none"> - What materials did this artist use? - What are some of their famous works of art? - In your own words describe their art. - Optional: Create your own work in the style of the artist you chose.
<p>Choose a video (or 2) from Kids Art Hub to draw.</p> <p>https://www.artforkidshub.com/</p>	<p>Illustrate a setting from your favorite book.</p>	<p>Find a photograph or picture of a person, place, or object and sketch it.</p>

Any activity with *:** If possible, please upload a photo of your activity on ClassDojo, School Facebook Site, email to chelsey.smiley@harrison.kyschools.us or any other school site. These activities also need a parent initial in that box and returned to school. Any other activities will need to be returned to school.

If having difficulty with blank paper, use the back of this sheet.

