

# 4th Grade

## N.T.I. Day 1

Name: \_\_\_\_\_

*Keep packet stapled together and turn in all work at the same time.*

*Please contact us by email or remind,  
between the hours of 8:00AM-3:00PM, if  
your child needs help on an assignment.*

### Teacher Email Addresses

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YOU CAN DO  
*anything*

### Remind

Send a text to: 81010  
Text this message: @4cdd27

## NTI Day 1 Art Mr. Jones

Using pencil or colored pencil or crayon, sketch a picture of your favorite pet. Turn into Mr. Jones with NTI your packet.

**Directions:** Read the text and answer the questions. You should use complete sentences with capital letters and correct punctuation. Make sure you restate the question.

On number 5, you should answer with at least 5 sentences.

**LITERARY TEXT: CHARACTER**

**A New Home**

One day, Tam saw her neighbor Mrs. Simon putting the trash out on the curb. She noticed that Mrs. Simon was throwing away a plant, along with a bag of trash. The plant was growing in a little green pot. It was crooked and yellowish, with just a few little leaves. Tam felt sorry for the plant, out there on the curb waiting to be hauled away. She decided to rescue it. Both Tam and her mom had a **green thumb** and loved to garden, so they brought the plant into their backyard and gave it a new home in the dirt.



**KEY QUESTIONS**

- 1. CHARACTER:** Can you describe Tam in a sentence or two?
- 2. CHARACTER:** How does Tam differ from Mrs. Simon?
- 3. INFERENCE:** Is the plant healthy or not? How do you know?
- 4. CONTEXT CLUES:** What do you think the phrase *a green thumb* means?
  - very ill
  - good with plants
  - good at art
- 5. S-T-R-E-T-C-H:** What do you think will happen to the plant in its new home? Why?

1.

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Day 1

## The Diverse Diet of the Cherokee

by Caitlyn Meagher



harvest corn

Have you ever gone somewhere and eaten the food of a specific region? Different areas in the United States have different food specialties. In Alabama, shrimp and grits are popular. In California, avocado toast is a specialty. These specialties exist because the ingredients used to make these items are found in that region. Native American tribes take advantage of the natural resources in their areas. Some tribes have lived on the same land for many generations. Their diets reflect their culture and history.

Today, the Cherokee tribe lives in Oklahoma. In the past, the Cherokee tribe lived in different regions in the United States. These regions had different weather and soil systems. Because of these differences, the Cherokee diet changed depending on where they were living.



Coastal Plain stream in Georgia  
*U.S. Fish and Wildlife Service (CC BY 2.0)*

Some Cherokee lived in the Coastal Plains. The Coastal Plains are in the southeast. They are close to the sea. Because they were so near the sea, the Coastal Plains had sandy soil. It was hard to grow crops in this soil. So instead, the Cherokee that lived in this area ate a lot of seafood. They also hunted deer, turkey, buffalo, rabbit, and sometimes even bears.

In other areas where the Cherokee lived, the soil was healthy and good for farming. The Cherokee there would farm squash, corn, and beans. They often ate these three foods together in a dish called succotash. They used corn in many ways: to make flour for bread, and to make pudding and cornmeal.

The Cherokee would also gather food from surrounding forests and fields. Cherokee women gathered wild plants, mushrooms, and berries. They used some of these wild plants, like cattail and hummingbird blossoms, for medicine and healing.

Because of the diversity of the regions where the Cherokee lived, the Cherokee diet was very diverse. Today, the Cherokee still make these traditional dishes.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. According to the text, why do food specialties exist?

- A. because some people only like to eat sweet food
- B. because the ingredients are found in that region
- C. because people depend on the food sold in stores
- D. because that's what trained chefs decide to make

2. According to the text, what caused the Cherokee diet to change?

- A. the natural resources, weather, and soil systems where they were living
- B. a big flood causing them to rely mostly on hunting animals for their food
- C. a spiritual leader suggesting that the tribe switch to a vegetarian diet
- D. European settlers killing too many of the animals they were hunting

3. Read the following sentences from the text.

"Because they were so near the sea, the Coastal Plains had sandy soil. It was hard to grow crops in this soil. So instead, the Cherokee that lived in this area ate a lot of seafood. They also hunted deer, turkey, buffalo, rabbit, and sometimes even bears. In other areas where the Cherokee lived, the soil was healthy and good for farming. The Cherokee there would farm squash, corn, and beans."

What conclusion can you draw from this evidence?

- A. The Cherokee traveled long distances no matter where they lived.
- B. The Cherokee taught others how to farm squash, corn, and beans.
- C. The Cherokee adjusted their diet depending on where they lived.
- D. The Cherokee preferred to hunt land animals instead of sea animals.

4. According to the text, how did the Cherokee depend on the places they lived?

- A. They collected water from nearby streams.
- B. They used the hills to hide from enemies.
- C. They traveled far because of the flat land.
- D. They used the land for food and medicine.

5. What is the main idea of this text?

- A. The Cherokee that lived in the Coastal Plains near the sea had a hard time growing crops in the sandy soil there.
- B. The Cherokee tribe has a diverse diet because the food they eat depends on the places they have lived over time.
- C. Shrimp and grits are a food specialty in Alabama and avocado toast is a food specialty in California.
- D. Cherokee women used wild plants like cattails and hummingbird blossoms for medicine and healing.



## What Is Light?

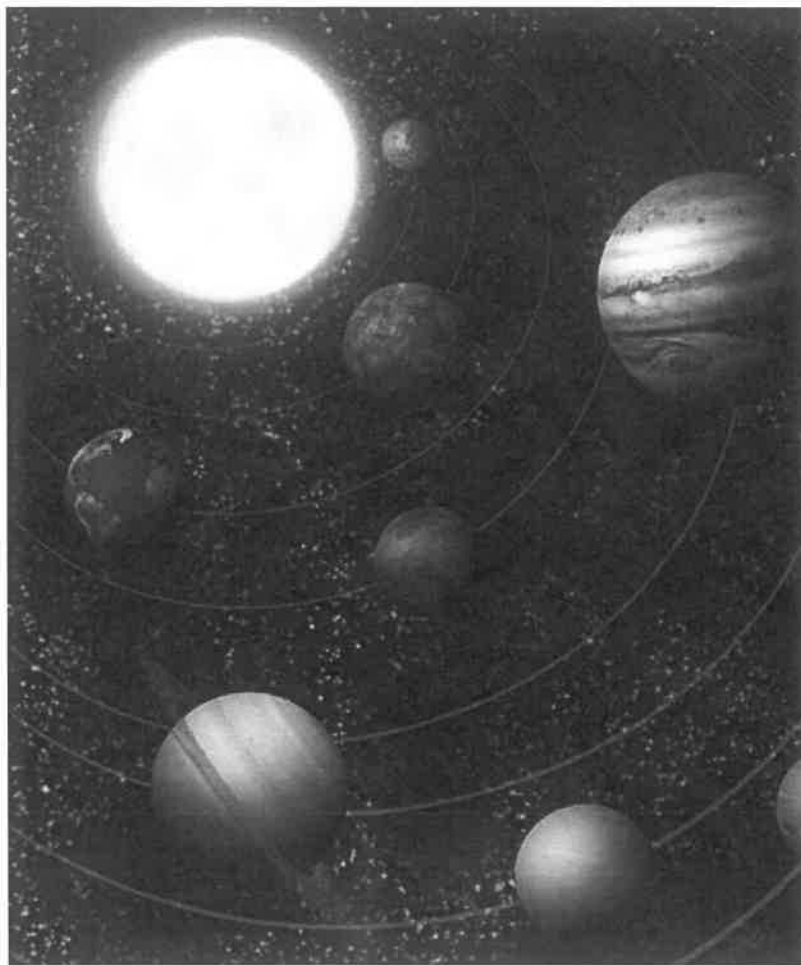
This text is excerpted from an original work of the Core Knowledge Foundation.

Did you know that the sun is the greatest source of light for our planet, Earth? But what is light? Why is it so important?

Hot gases of the sun give off both light and heat energy. Light carries energy, with the long wavelengths carrying the least and the short wavelengths carrying the most. When you think of something with lots of energy, what comes to mind? Do you think of something fast like a race car?

Do you think of something with great force like a very strong wind knocking down a tree?

Believe it or not, light can be many times more energetic than a car or the wind.



The sun is the greatest source of light for Earth.

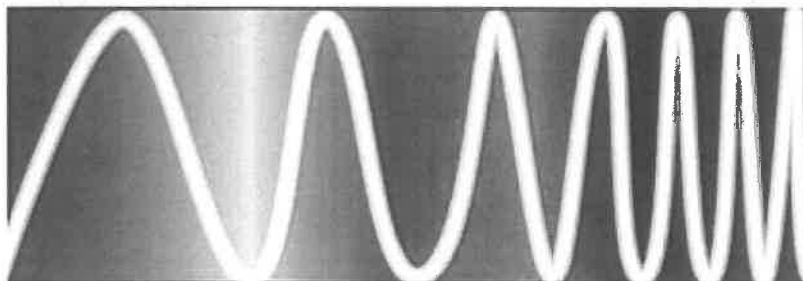
Light travels at 186,000 miles every second in a vacuum. At that speed, light can go around Earth more than seven times every second! No human-made machine can go that fast—not even a jet plane or rocket!

One way that light travels, including light from the sun, is in the form of waves. Scientists can measure how long light waves are. Waves can be different sizes—some are long and some are short. Some light waves are visible and some are invisible. Whether you can see light or not depends on the length of the wave. The longest wavelength of visible light is seen as red and the shortest wavelength is violet. Short wavelengths carry the most energy.



**Long Wavelengths**

**Short Wavelengths**



One way light from the sun travels is in waves. Waves can be different sizes. Short wavelengths, like those at the far right, carry the most energy.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the greatest source of light for Earth?
  - A. the moon
  - B. Mercury
  - C. the sun
  - D. Saturn
  
2. The sun gives off light which carries energy in wavelengths. According to the text, how do long wavelengths compare to short wavelengths?
  - A. Long wavelengths carry less energy than short ones.
  - B. Long wavelengths travel faster than short ones.
  - C. Long wavelengths make more noise than short ones.
  - D. Long wavelengths are heavier than short ones.
  
3. Humans can't make anything as fast as light. What evidence from the text supports this conclusion?
  - A. "Light travels at 186,000 miles every second in a vacuum....No human-made machine can go that fast—not even a jet plane or rocket!"
  - B. "Some light waves are visible and some are invisible. Whether you can see light or not depends on the length of the wave."
  - C. "Light carries energy, with the long wavelengths carrying the least and the short wavelengths carrying the most."
  - D. "One way that light travels, including light from the sun, is in the form of waves. Scientists can measure how long light waves are."

4. Read the following sentences from the text.

“The longest wavelength of visible light is seen as red and the shortest wavelength is violet. Short wavelengths carry the most energy.”

What conclusion can you draw from this evidence?

- A. Red and violet lights can't be seen.
- B. Violet light carries the most energy.
- C. Red light is the only visible light.
- D. Short wavelengths don't carry energy.

5. What is the main idea of this text?

- A. Red lights have longer wavelengths than violet lights so you can't see them.
- B. The sun is made up of hot gases that give off energy and heat the Earth.
- C. A race car or strong wind can seem very fast but there are faster things.
- D. The Sun gives light to Earth which travels in short and long wavelengths.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Math  
Day 1



Chapter

1

# Extra Practice and Homework

## Working with Whole Numbers

### Activity 3 Comparing and Ordering Numbers

Compare each pair of numbers.

Write  $>$  or  $<$ .

1 15,408  12,508

2 86,415  86,591

3 60,960  69,999

4 163,809  136,908

5 345,638  348,594

$>$  means greater than.  
 $<$  means less than.



Order the numbers from least to greatest.

6 52,081 63,456 51,125

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Order the numbers from greatest to least.

7 276,332 274,236 281,152

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Solve.

8 Write two numbers greater than 570,321 using all the digits in the number.

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**Answer each question.**

- 9 a What number is 10 less than 38,076? \_\_\_\_\_  
b What number is 100 more than 56,098? \_\_\_\_\_  
c What number is 1,000 more than 35,842? \_\_\_\_\_

**Fill in each blank.**

- 10 100 more than 56,821 is \_\_\_\_\_.  
11 \_\_\_\_\_ is 10 less than 18,703.  
12 48,100 is \_\_\_\_\_ less than 48,200.  
13 80,895 is \_\_\_\_\_ more than 79,895.

**Complete each number pattern.**

- 14 46,860 45,860 44,860 43,860 \_\_\_\_\_ 41,860 \_\_\_\_\_  
15 \_\_\_\_\_ 10,849 11,849 12,849 13,849 \_\_\_\_\_ 15,849

**Complete each number pattern.**

- 16 The pattern ends with 123 and uses the rule "add 5".  
\_\_\_\_\_ 103 108 \_\_\_\_\_ 123  
17 The pattern starts from 257 and uses the rule "subtract 5."  
257 252 247 \_\_\_\_\_

**Write the first five numbers in each number pattern.**

- 18 Start from 308 and use the rule "add 14."  
\_\_\_\_\_  
19 Start with 565 and use the rule "add 20, add 22."  
\_\_\_\_\_