

NTI DAY 9



Harrison County Schools

Name: _____

Grade: 4th

Teacher: _____

Please complete within one week of the NTI day.

Day 9 Checklist

Math

Constructed Response Task OR 30 minutes of Math on EXACT PATH.

Number of the Day (If you choose the EXACT PATH option, you DO NOT have to complete Number of the Day.)

Date for Exact Path: _____

Time: _____ to _____

Reading

Mother Cats and Their Kittens; The Chicken and the Egg
OR 30 minutes of Reading on EXACT PATH.

America's First People

Date for Exact Path: _____

Time: _____ to _____

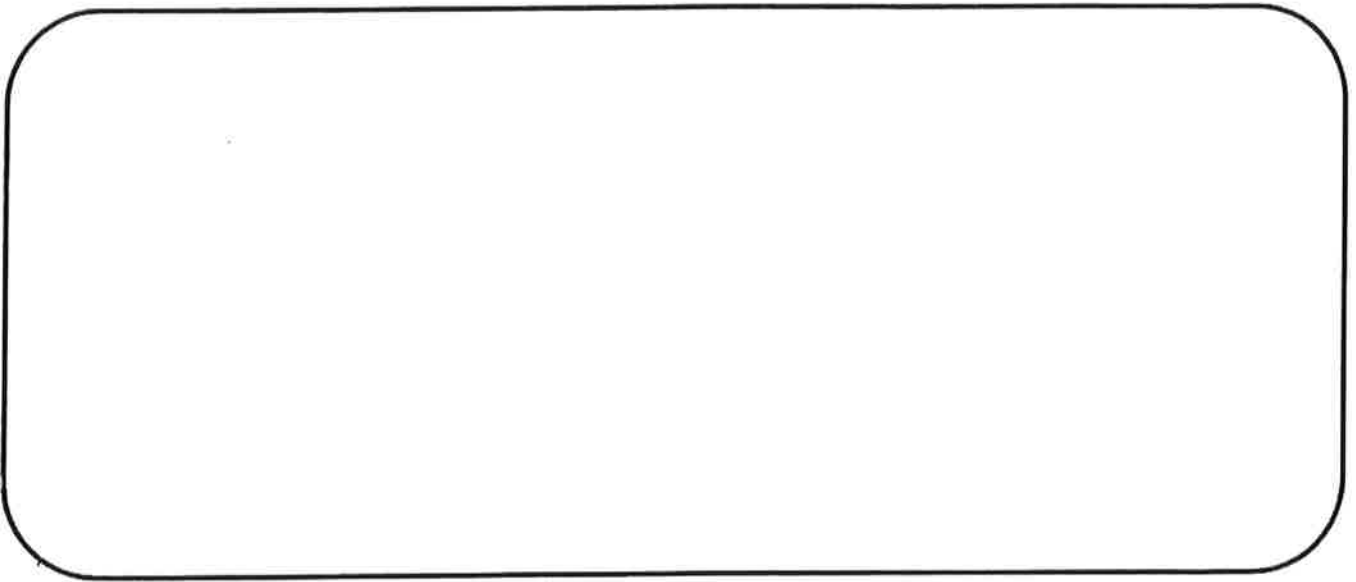
Practical Living and Career Studies

Constructed Response Task

Name: _____ Date: **Day 9**

Jeremiah's mom is buying lollipops for treat bags for his birthday party. She wants each of the 36 guests to have 2 lollipops each. The lollipops come in packs of 8 each. How many packs of lollipops will she need to buy?

Show your work below:



Explanation:

Name: _____
 Date: Day 9

Number of the Day:
4,216,009

Using the last 2 digits,
 write prime or composite.

Write in expanded form:

Write in written form:

ODD OR EVEN?

Take the digit in the ones place and write 10 multiples
 for that number:
 _____, _____, _____, _____, _____,
 _____, _____, _____, _____, _____

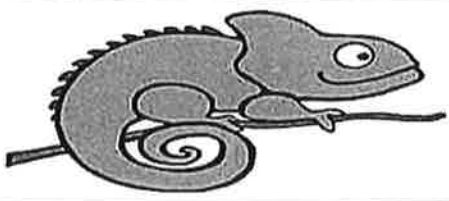
~~MULTIPLY THE
 DIGITS~~

Round the number to the nearest place.
 Tens: _____
 Hundreds: _____
 Thousands: _____

Multiply by the following.
 10: _____
 100: _____
 1,000: _____



Tell 2 ways to make the number:



Take 2 digits from the number and
 make a new 2 digit number. Tell if it is
 prime or composite. If composite, write
 2 factors for the number.
 New number: _____
 Prime or Composite
 _____ X _____ = _____

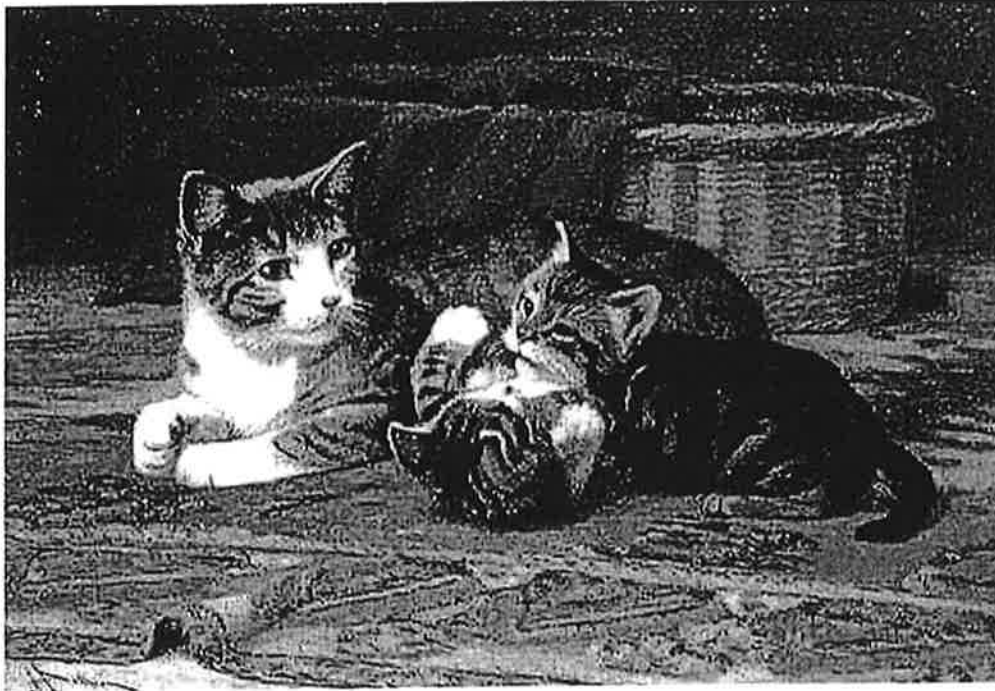
Put the Number of the Day in the correct place value below.

Millions			Thousands			Ones		
Hundred	Ten	One	Hundred	Ten	One	Hundred	Ten	One

Mother Cats and Their Kittens

RI 4.6

by ReadWorks



Have you ever watched a mother cat with her babies? Mother cats are very protective of their kittens, even before they are born. Mother cats have to protect their babies so that they can grow up to be big cats.

First, a mother cat chooses a safe place to give birth to her kittens. Unlike a human, the mother cat can't go to a hospital to have her babies, so she must look for someplace near home that is right for her babies. A safe place for kittens can't be too loud, too busy, or too bright. If she lives inside a house with humans, the mother cat might go underneath a bed or staircase, inside a closet, or into a basement area that is nice and quiet. There, she will make a soft nest for her kittens.

Next, the mother cat will give birth to her babies and nurse them right away with her milk. When a kitten is born, it doesn't have very much fur and is "blind" for a few days. (Kittens' eyes usually open up after about eight days.) Like human infants and other mammal babies, the kittens need a lot of help from their mother when they are first born, since they are very weak and small. Their mother spends a lot of time feeding them and giving them baths by licking them.

After a few days, the mother cat might choose to move her kittens to another safe place so that predators, like owls or coyotes, cannot find them by their smell. When she finds the right

place, she will carry her kittens to their new home in her mouth, very gently. If a kitten gets lost along the way, it can help its mother find her way back by calling her ("*mew mew!*"). Soon, all of the kittens will be safe and sound in their new nest.

There are usually many kittens in a cat family. A group of kittens in a cat family is called a litter. When the kittens are big enough to open their eyes and move around, they will begin to play and fight with one another, just like human brothers and sisters. Though these games are fun, they also have a serious purpose. When kittens play, they are practicing many skills they will need later on, like jumping, pouncing, and biting. This will help them catch prey for food and fight against predators.

As the kittens grow bigger, the mother will continue to protect them from enemies and even her human friends! Mother cats do not like it when adult humans or children play with their kittens, and they may attack. Kittens may also bite and scratch to protect themselves against harm. So even though they can be very cute, you must always be careful around mother cats and their litters of kittens, and you must respect their safe spaces. Remember that these cat families are only doing what they need to do to survive.

The Chicken and the Egg

by Aditi Sriram



For her eighth birthday, Kit's parents gave her a large purple box with holes in the top. Was there an animal inside the box that needed air to breathe? Was it a baby hamster, like the one in Mrs. Bernstein's classroom? She held the box carefully, but it didn't seem heavy enough. With her mother's help she cut the ribbon off the top of the box and removed the lid. Inside was a scrawny, golden chick!

"What are you going to name it?" Mom asked.

"Is it a boy chick or a girl chick?" Kit asked.

"We asked at the farm, and they told us it's a girl," Dad said.

Kit thought for a minute. The chick's feathers were yellow and bright, and reminded her of her best friend at school. "I'm going to name her Annabelle," she said, "because they have the same color hair."

Kit cradled Annabelle in her hands carefully, stroking the chick's soft, fluffy feathers with her fingers. "She's so soft," Kit said to Mom.

"Annabelle is covered with special feathers called down. They keep the chick warm."

Kit watched Annabelle grow week after week. She did not worry about letting Annabelle walk all over her hands and arms, because chicks do not have teeth. As Annabelle's little body became bigger, she grew larger feathers. She pointed out the new feathers to her father.

"Those are called contour feathers, and the long ones on her sides are flight feathers," Dad said.

It was becoming harder to play with Annabelle. She was 12 weeks old now and much faster on her feet.

Annabelle would dart around the garden when Kit let her out of her coop and peck at everything on the ground in front of her. She was always clucking at everyone and would dip her head into the grass to grab a worm. Kit would run behind her and try to catch Annabelle with her hands, and it would take minutes to finally get ahold of her. Mom would watch Kit running around and laugh. Dad would make clucking sounds to distract Annabelle, and then Kit would catch her.

When Annabelle was 16 weeks old, Kit's once little chick was now five times as big, a strong, healthy hen, with all kinds of beautiful feathers and a much larger beak, and laying eggs. One day, a rooster, an adult version of a boy chick, who belonged to Kit's neighbor noticed Annabelle's beauty. Annabelle and the rooster went into her coop to mate and reproduce. After a few days, Kit saw Annabelle sitting on some eggs. When Annabelle moved, she used her beak to turn the eggs around underneath her. Kit understood what was going to happen. Annabelle was going to become a mom! Kit made sure Annabelle's water and food were nearby, and she was excited.

Annabelle was a lot more patient than Kit. For 21 days she sat on her eggs, covering them with her feathers to keep them warm. Finally, Kit heard a *crack*. She looked closely. Annabelle had moved aside, and there was one of her eggs, white and grey, and a tiny, tiny beak poking through it. Kit wanted to watch the baby slowly poke its way out of the egg, but it was getting very late. Kit went to sleep and returned to watch the baby hatch the next day. By the time it came out, it looked very tired and wet. Kit watched Annabelle peck at her baby until the baby fell asleep.

Over dinner, Kit told her parents about Annabelle's baby hatching. Mom and Dad explained that this was the life cycle of a chicken, starting as a baby that comes out of an egg, growing bigger and fluffier, becoming a hen, and then laying eggs. Kit picked at the vegetables on her plate-carrots, beans, and cabbage-and wondered, "Do vegetables lay eggs, too?"

"No, they don't," Mom said, "but it's a good question. We plant seeds in the ground, where they stay warm and get water, and when they are ready to germinate, they begin growing out of the ground where we can see them, and get bigger and stronger, with more leaves and thicker stems, and then they produce fruits and flowers. Plants, like animals, have a life cycle that repeats and repeats."

Kit nodded her head. The hamster in her classroom had gotten older and bigger; and now that Annabelle was a mother, she was excited to have a new baby chick to play with, all over again.

Name: _____ Date: _____

Use the article "Mother Cats and Their Kittens" to answer questions 1 to 2.

1. What is one thing that mother cats do to help kittens grow bigger and stronger?
2. What does this article mainly describe?

Use the article "The Chicken and the Egg" to answer questions 3 to 4.

3. What was Annabelle like when she was 16 weeks old?
4. What main topic does this story teach readers about? Support your answer using details from the story.

Use the articles "The Chicken and the Egg" and "Mother Cats and Their Kittens" to answer questions 5 to 6.

5. How are the main ideas of these two texts similar?
6. How are the main ideas of these two texts different?

America's First People



To **compare and contrast** ideas in a passage, determine how the ideas are alike and how they are different.

Native Americans were the first people to live in America. They lived in many different areas of the United States including the Eastern Woodlands and the Southwest.

The Eastern Woodlands Native Americans had a much different lifestyle than those who lived in the Southwest. The Eastern Woodlands encompassed all of the area from what is now the Canadian border down to the Gulf Coast. The area also extended from the East Coast to the Mississippi River. The northern parts of this area had cold winters, and the whole region had warm summers.

The Southwest Native Americans lived in a large, warm, dry area. Today, Arizona, New Mexico, southern Colorado, and northern Mexico make up this area. In the northern part of this region, wind and water created steep-walled canyons, sandy areas, mesas, buttes, and other interesting landforms. In the southern part, the desert land was flat and dry.

The Iroquois, Wampanoag, Cherokee, and Chickasaw are just a few of the major tribes that made their home in the Eastern Woodlands. The Southwest was home to tribes such as the Apache, Navajo, and Pueblo.

Housing was very different for the Native Americans who lived in these two different regions. The Eastern Woodlands natives built a variety of homes, depending on their location. Northern dwellers lived in dome-shaped wigwams covered with sheets of bark or in longhouses. A longhouse was a large, rectangular shelter that was home to a number of related families, each living in its own section. Those in the southeastern area often built villages around a central public square where community events took place.

Many of the Native Americans of the Southwest lived in cliff houses or large, many-storied homes built from rock and a mud-like substance called adobe. These adobe dwellings could house many families.

All of the Native Americans living in both regions ate a lot of corn, beans, and squash. Hunting was important in both regions, but fishing was more significant in the Eastern Woodlands.



Name _____



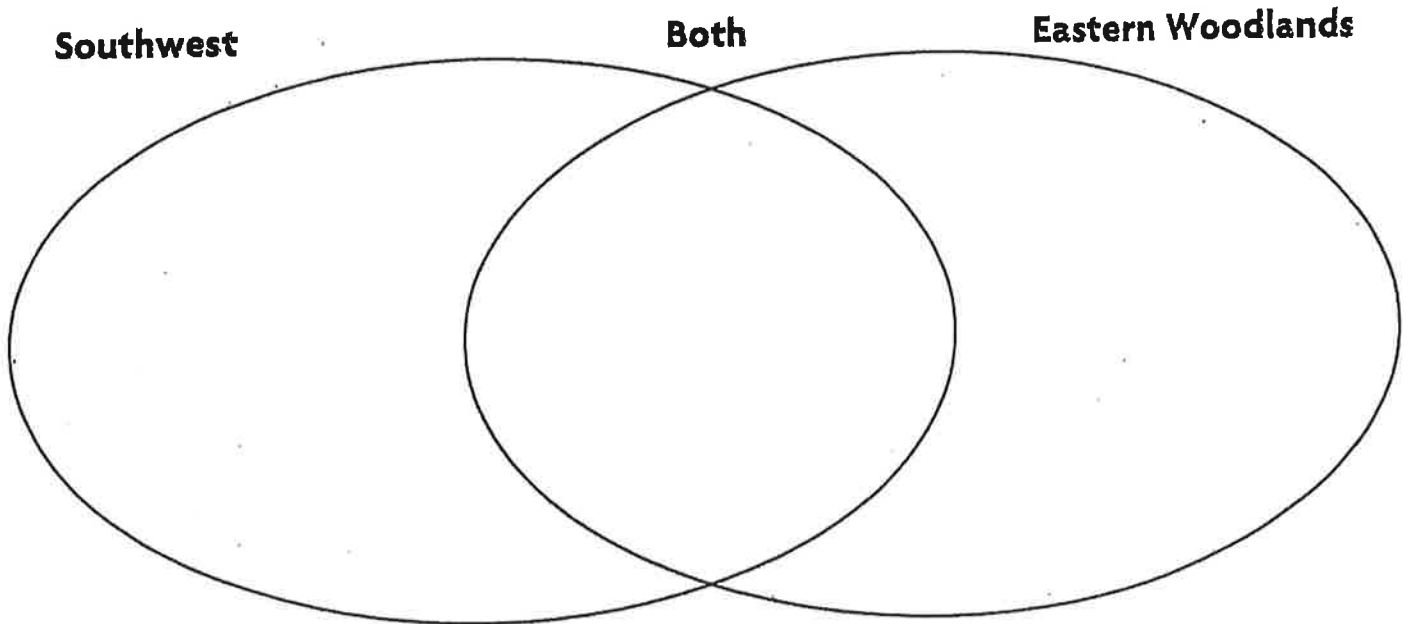
The tribes living in both regions were excellent craftspeople. Those in the Eastern Woodlands made pottery, wicker baskets, and deerskin clothing. Many tribes in the Southwest also made pottery and were very skilled at spinning cotton and weaving it into cloth. This cloth was made into breechcloths and cotton kilts for the men and a kind of dress for the women.

Learning about these fascinating people is important as they have played, and continue to play, a valuable role in our country's history.

1. Fill in the Venn diagram using the descriptions below.

wigwams and longhouses
made pottery
hunting
many-storied homes
steep-walled canyons
fishing
Apache and Navajo

excellent craftspeople
cold winters, warm summers
buttes
Arizona, New Mexico, and southern Colorado
corn, beans, and squash
Iroquois and Cherokee
bordered what is now Canada



2. Circle the ways longhouses and adobe houses were alike.

large one-family dwellings fairly small multiple-family dwellings

3. How was the climate in certain parts of the Eastern Woodlands different from other parts in the same region? _____

Name: _____

Practical Living and Career Studies
NTI materials- Day 9
4th Grade

Directions: Complete the career alphabet chart and then answer the question below.

Below are Kentucky's 16 career clusters. Which cluster or clusters are you most interested in and why?

1. Agriculture, Food, and Natural Resources
2. Arts, A/V Technology, and Communications
3. Architecture and Construction
4. Business Management and Administration
5. Education and Training
6. Finance
7. Government and Public Administration
8. Health Science
9. Hospitality and Tourism
10. Human Services
11. Information Technology
12. Law, Public Safety, Corrections, and Security
13. Manufacturing
14. Marketing
15. Science, Technology, and Engineering
16. Transportation, Distribution, and Logistics

Name: _____

Career Alphabet

List a career for each letter of the alphabet.

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		