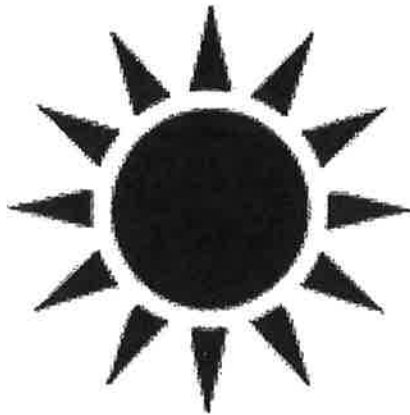


NTI DAY 24



Harrison County Schools

Name: _____

Grade: 4

Teacher: _____

Complete within 2 weeks of returning to school.

Day 24 Checklist (complete ALL items on the checklist)

Reading

____ Complete Reader's Guide Sheet for "The Girl Who Loved Spiders." (Dear Dr. Help)

Math

____ Complete Daily Common Core Review 6-4

____ Vocabulary Review (pg 758)

____ Complete homework practice pages 759-760

____ Reteach Day: See videos for Days 21-23

Science

____ Read "Adaptation of Finches' Beaks" Answer the six multiple choice questions and complete the open response on the answer sheet provided.

____ Learning Resource Video: "Bill Nye Birds"
<https://www.youtube.com/watch?v=3MefmhaO59Q>

Social Emotional Learning

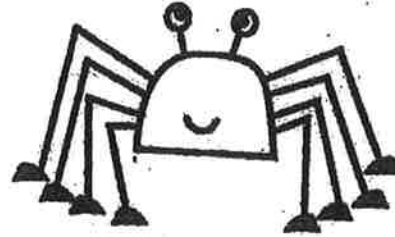
____ Complete Social skills page

Name _____ Date _____



The Girl Who Loved Spiders
Independent Reading

The Girl Who Loved Spiders



Dear Dr. Help

Imagine that Luis is so afraid of spiders he writes to an advice columnist for help just after he moves to Florida. Take a close look at pages 4 and 5. What would Luis say about why he is afraid of spiders?

Dear Dr. Help,

How can I get over my fear of spiders?

Thanks,

Luis

Word List

- equation
- even number
- factor
- multiple
- odd number
- repeating pattern
- rule
- unknown

Understand Vocabulary

1. Circle the term that best describes 28.

even odd equation unknown

2. Circle the term that best completes this sentence:

4 is a _____ of 16.

even odd factor multiple

3. Circle the term that best describes 17.

even odd equation unknown

4. Circle the term that best completes this sentence:

9 is a _____ of 3.

even odd factor multiple

5. Draw a line from each term to its example.

equation

Multiply by 3

repeating pattern

$14 \div 2 = n$

rule



unknown

$4 + 7 = 11$

Use Vocabulary in Writing

6. Use at least 3 terms from the Word List to describe the pattern.

50, 48, 46, 44, 42 ...

1. The product of two factors is 5,600. One factor is 80. What is the other factor?

(A) 7
(B) 70
(C) 700
(D) 7,000

2. There are 12 eggs in a dozen. How many eggs are in 24 dozen?

(A) 144 eggs
(B) 168 eggs
(C) 288 eggs
(D) 294 eggs

3. Hannah walks 4 miles in 72 minutes. If she walks each mile at the same speed, how long does it take her to walk 1 mile?

(A) 9 minutes
(B) 18 minutes
(C) 24 minutes
(D) 288 minutes

4. Select each sentence that involves comparing with multiplication.

- m is 8 more than 12.
 w is 4 times as many as 7.
 Mason scored 6 more points than Tom.
 Kylie has 3 times as many songs as Milena.
 Caleb is 3 inches taller than Trisha.

5. A florist has 134 flowers. She wants to put 8 flowers in each vase. How many vases will she need to put all of the flowers in vases? Explain.

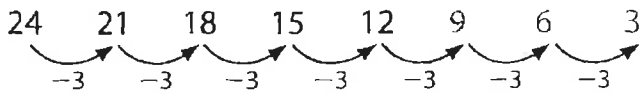
6. The table shows the number of two types of trees in a park. How many more maple trees are there than oak trees?

Tree	Number
Oak	1,256
Maple	1,863

7. A baker has 72 sugar cookies and 84 peanut butter cookies that he needs to put in boxes. Each box holds 6 cookies. How many boxes does the baker need? Show your work.

Set A pages 733–738

You can use the rule “Subtract 3” to continue the pattern.



The next three numbers in the pattern are 9, 6, and 3.

A feature of the pattern is all the numbers are multiples of 3.

Another feature is all the numbers in the pattern alternate even, odd.

Remember to check that the numbers in your pattern follow the rule.

Reteaching

Use the rule to continue each pattern. Describe a feature of the pattern.

1. Rule: Add 2
1, 3, 5, _____

2. Rule: Subtract 4
22, 18, 14, _____

Set B pages 739–744

The regular price is twice the sale price. You can use the rule “Divide by 2” to continue the pattern.

Remember to look for features of the pattern not described by the rule.

Use the rule to continue each pattern. Describe a feature of the pattern.

DATA	Regular Price	Sale Price
	\$44	\$22
	\$42	\$21
	\$40	\$20
	\$38	\$19
	\$36	\$18
	\$34	\$17

1. Rule: Multiply by 18

Trucks	3	5	7	9
Wheels	54	90	126	

2. Rule: Divide by 3

Earned	\$12	\$18	\$24	\$30
Saved	\$4	\$6	\$8	

The regular price is a multiple of the sale price, and the sale price is a factor of the regular price.

3. Rule: Multiply by 4

Chairs	5	10	15	20
Legs	20	40	60	



Set C pages 745–750

You can use the rule “Circle, Triangle, Square” to continue the repeating pattern.



You can use the rule to find the 25th shape in the pattern.

$$25 \div 3 = 8 \text{ R}1.$$

The pattern will repeat 8 times, then the 1st shape will appear.

The circle is the 25th shape in the pattern.

Remember to use the rule to continue the pattern.

1. a. Draw the next three shapes in the repeating pattern. The rule is “Right, Up, Up.”



- b. Draw the 50th shape in the pattern.

2. a. Write the next three numbers in the repeating pattern. The rule is “3, 5, 7, 9, 3, 5, 7, 9, 3, 5, 7, _____, _____, _____.”
- b. What will be the 100th number in the pattern?

Set D pages 751–756

Think about these questions to help you **look for relationships**.

Thinking Habits

- What patterns can I see and describe?
- How can I use the patterns to solve the problem?
- Can I see expressions and objects in different ways?



Remember to use the rule that describes how objects or values in a pattern are related.

Sam creates a pattern using the rule “Each layer has 3 cubes.”



1. Draw the next shape in Sam’s pattern.

2. Use the rule to continue Sam’s pattern.

Stories	1	2	3	4
Blocks	3	6	9	

3. How many blocks are in the 10th shape in Sam’s pattern?

CHAPTER 3: Adaptations

Read the article below to answer questions 1–7.

Adaptation of Finches' Beaks

In 1831 scientists, including Charles Darwin, traveled around the world on a ship called HMS *Beagle*. Darwin was a naturalist. His job was to study plants and animals.

The scientists reached the Galápagos Islands, a group of islands in the Pacific Ocean. There they found many interesting life forms. The scientists saw 13 species of finch, a kind of bird. Different species lived on different islands. The finches looked very much like one another.

However, the scientists noticed that each species of finch had a different kind of beak. The beaks were different in size and shape. The scientists observed and recorded information about the islands where the finches lived, their food sources, and the shapes of their beaks.

The scientists noted that the finches on the different islands ate different kinds of food. On each island, the finches with the best shape of beak for the kind of food on the island ate the most food and raised the most young.

Eventually, all the finches on each island had the best beaks for the environment on their island. Each kind of beak was suited for getting a certain kind of food.

Some of the finches ate seeds, others ate fruits and buds, and still others ate insects. The scientists saw that the seed eaters had thick, heavy beaks, which they used to crack open seeds. One kind of fruit eater had a short, stubby beak. Many of the insect eaters had thin, pointed beaks that allowed them to catch their prey.

Scientists inferred that the differences in the beaks were adaptations to the kinds of foods the finches ate. An adaptation is a body part or behavior that helps a living thing meet its needs in its environment.

Darwin explained that over a long time, the beaks of the finches had changed to help them get from their environment the food they needed. The finches, like other living things, became adapted to their environment.

PLEASE GO ON TO THE NEXT PAGE →

Kentucky Core Content for Assessment: SC-04-3.4.1 Students will compare the different structures and functions of plants and animals that contribute to the growth, survival and reproduction of the organisms; make inferences about the relationship between structure and function in organisms.

Please mark your answer for each multiple-choice question by filling in the circle completely for the correct answer. Mark only one answer for each question. If you do not know the answer, make your best guess.

- What is a naturalist?
 - a kind of finch
 - a sailor on a ship
 - a person who studies plants and animals
 - a person who lives on the Galápagos Islands
- What does *adaptation* mean?
 - a body part or behavior that helps a living thing meet its needs
 - a person who studies animals
 - a kind of environment
 - the shape of a bird's beak
- If you saw a bird with a short, stubby beak, you could infer that the bird eats
 - fruits and buds.
 - insects.
 - seeds.
 - mushrooms and other fungi.

Use the illustration below to answer question 4.



HINT Look at the shape of the beak.

- What do you think this bird eats?
 - fruits and berries
 - small seeds
 - large seeds and mushrooms
 - insects, mice, and small birds
- Why do finches that eat seeds have thick, heavy beaks?
 - to find the seeds
 - to crack open the seeds
 - to bury the seeds
 - to drink water
- What does the article mean by "best beak"?
 - biggest beaks
 - strongest beaks
 - beaks that work the best for a certain kind of food
 - beaks that insect eaters have

PLEASE GO ON TO THE NEXT PAGE →

OPEN-RESPONSE QUESTION

Read all parts of the open-response question before you begin. Use the grid on the next page to create any required charts or graphs. If a question does not require a chart or graph, write your written response over the grid lines.



Bird 1



Bird 2

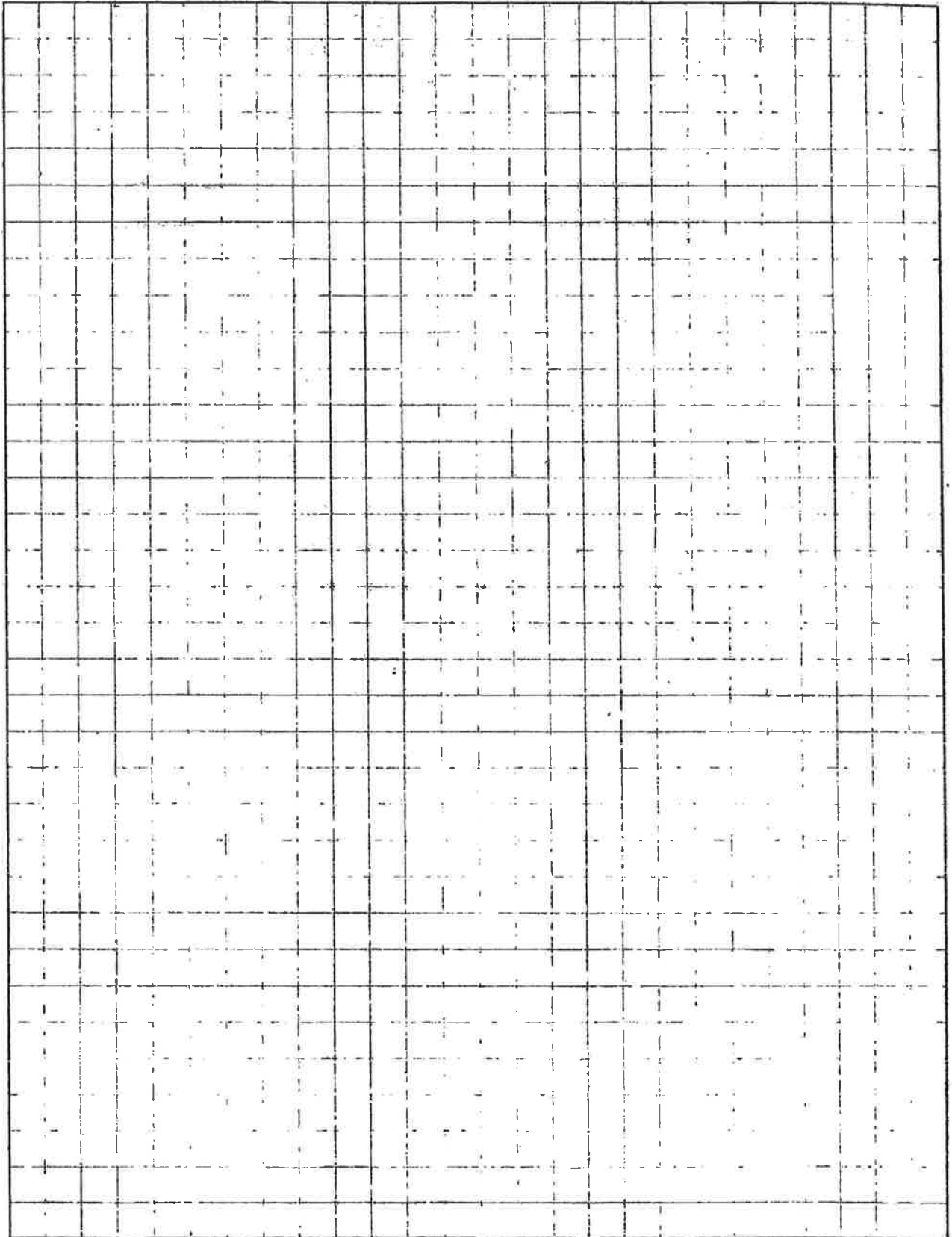
HINT Think about how the shape of the beaks is adapted to eat the available food.

7. The finches on the Galápagos Islands had different types of beaks.
- Why do finches have different kinds of beaks?
 - Look at the pictures of finches above. Observe their beaks. What do you think each kind of finch eats?

PLEASE GO ON TO THE NEXT PAGE →

Name _____

Date _____



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STOP! ☹

Social Emotional Learning - NTI Day 24

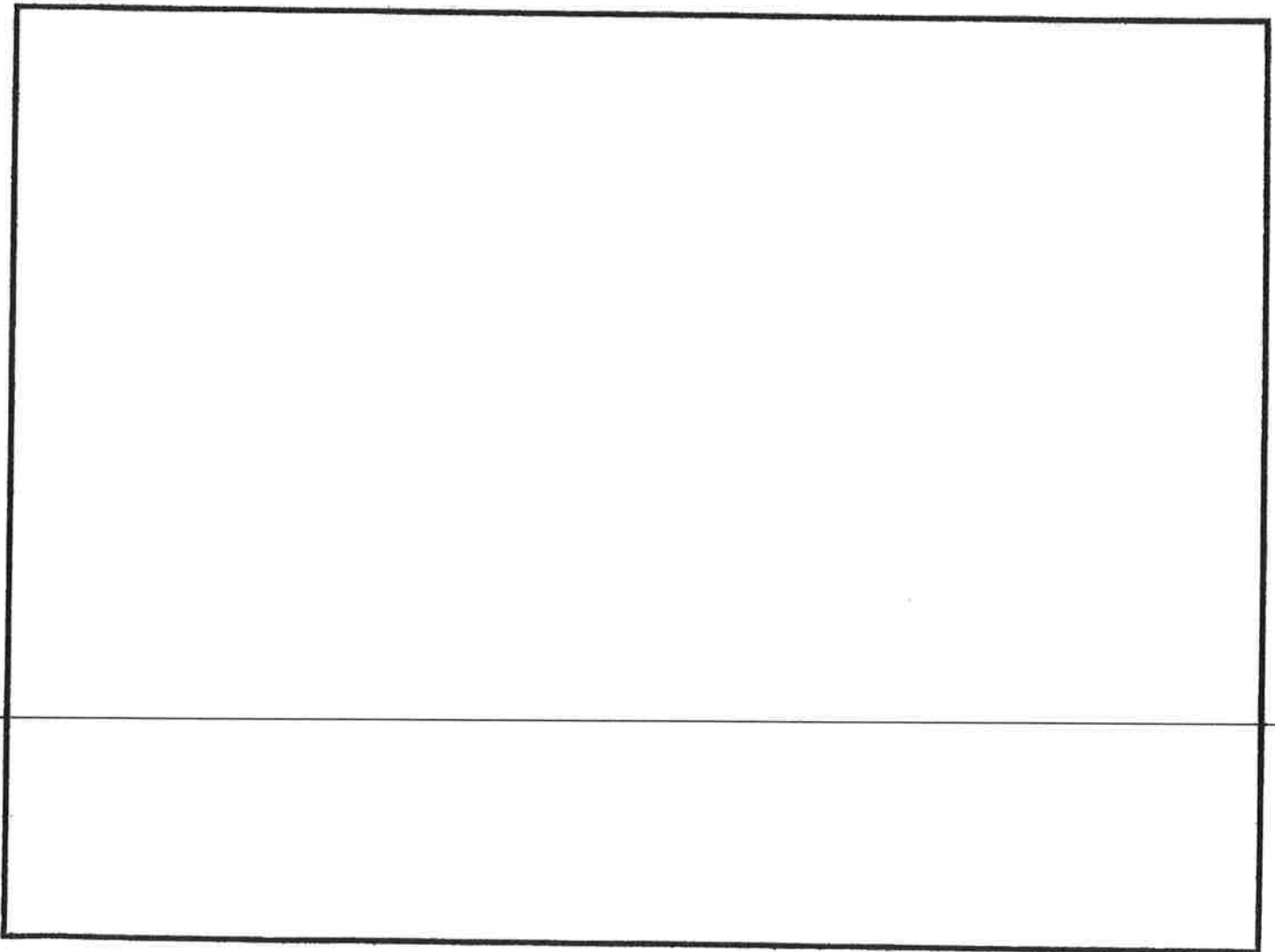
Social/Emotional Learning - Social Skills
4th Grade

Name: _____

Directions: Social skills help us play and work together peacefully. Good communication skills are important social skills that help us understand others and express our own emotions and thoughts. Create a newspaper advertisement that highlights good communication skills. Please use text and illustrations in your advertisement.

Hint: Good communication skills include listening, waiting your turn to speak, paying attention to others, encouraging others to share their feelings, and compromising or problem solving calmly when there is a disagreement.

Create your newspaper advertisement below. Remember to use text and illustrations.

A large, empty rectangular box with a solid black border, intended for the student to create a newspaper advertisement. The box is positioned below the instructions and hint, and above a horizontal line that spans the width of the page.

