

Summer Reading Recommendations for Incoming 5th Graders

Dear Incoming 5th Grader:

This summer you will be reading 1 book and 1 article. The book will be fiction and the article will be an informational text. Choose one book from group A: Fiction and one article from group B: Informational Text.

There are 2 forms that you will use. One of the forms is for the fiction book which is a banner book report. Please include color on your banner. The other form is for the Informational text. It is labeled a nonfiction book report. If you need more space when writing your report, you can attach a piece of paper to the report. These two assignments will be due the first day of school. They will be graded as two separate ELA projects and points will be deducted for lateness.

Group A: Fiction

George's Marvelous Medicine by Ronald Dahl

Rules by Cynthia Lord

Out of My Mind by Sharon M. Draper

Group B: Informational Text

A plant that preys

The lily pad that can hold a human

Happy Reading!

Have a wonderful summer!

A Plant that Preys

by ReadWorks

Most plants rely on the important nutrients in soil to survive. Pitcher plants, however, do not have this luxury. They grow in rainforests and coastal swamps that have nutrient-poor soil. Pitcher plants have had to find other ways to survive, no matter how strange the adaptation. And they have! These plants are carnivores that use insects to gain most of their energy.



pitcher plants

This carnivorous plant is not so much ferocious as it is desperate for nutrients. Its appearance serves as a trap for unsuspecting insects. The plant is shaped like a pitcher, with an egg-sized hole at the top. Some attract prey with nectar-coated lips. Others have hoods or flaps resembling a flower that both trick the insect and prevent the pitcher plant from filling with rainwater. Once an insect slips into the pitcher, the walls of the plant become very smooth and the prey plunges down into the digestive acid awaiting below. These insects drown and dissolve rapidly. Even flying insects rarely escape because the liquid at the base of the plant makes flying with wet wings very difficult.

As the insects decompose, the plant uses digestive enzymes to break down the organisms and gain nutrients such as nitrogen and phosphorous not present in the soil. These digestive juices are similar to those found in the human stomach. And so, rather than rely on photosynthesis as their main source of energy, pitcher plants gain nutrients from their insect prey.

Certain species of pitcher plants have a less one-sided connection with the insects that fall into their trap. Sometimes small crabs and frogs find shelter and mature inside this plant. The droppings from these animals give the plant nutrients. Pitcher plants also give insects like gnats a safe place to eat and develop. In return, the gnat creates a web across the plant's lips and captures other insects. The insect's droppings fall into the pitcher, which supports the survival of the plant. This alliance is called a mutualistic relationship, where two organisms benefit one another.

The Lily Pad that Can Hold a Human

by ReadWorks

The giant water lily delights all who see it with its beauty and size. Giant water lilies not only have flowers that smell like pineapple and butterscotch, but they can also hold the weight of a small child! This plant is native to South America. Its enormous circular leaves lie on the surface of lakes and can grow up to 8 feet across. These water lilies have long stalks that anchor them to the ground below the water. The upper surface of the lily pad is coated in wax that repels water. The undersurface is a purplish red and contains many veins with sharp spines. These spines are a defense against fish and manatees that eat plants as their main source of food. The veins underneath the plant trap air, causing the leaves to have an incredible amount of buoyancy.



pontanegra (CC BY-SA 3.0)

giant water lily leaves



J.M.Garg (CC BY-SA 3.0)

This photograph displays the spikes that protect these plants against hungry manatees.

One of the fascinating aspects of the giant water lily is how it gets pollinated in order to reproduce. Giant water lilies produce white flowers that bloom in the evening. A chemical reaction inside the white flower heats the flower. This heat causes the flower to emit a strong fragrance of pineapple and butterscotch. Scarab beetles are attracted to this delicious scent. Once daylight approaches and a beetle lands on a white flower, the flower shuts and traps the beetle. While the beetle struggles to escape, it becomes coated in pollen. The flower then reopens the next evening to release the beetle. The white flower

transforms into a dark pink, indicating that a beetle has caused fertilization to take place inside the flower. The pink flower then closes up and sinks below the surface of the water. (These spectacular flowers only live for about 48 hours!) And since the beetles, now dusted with pollen, are not attracted to pink flowers, they go in search of another white flower to repeat the process of pollination.

One of the negative characteristics of the giant water lily is no other species can live under the plant. Due to the size of its leaves on the surface of the water, very little sunlight can reach the rest of the water. As a result, no algae can grow and provide nutrients to animals. However, some organisms do benefit from the giant water lily. One creature that takes advantage of giant water lilies is the Jacana. The Jacana is a species of water bird that is a weak flier. It walks on the lily pad leaves and eats the insects found on the surface of the water lilies.

This fascinating plant has adapted well to the Amazon rainforest and is a beautiful sight to behold.



Bilby (CC BY 3.0)

This is an image of the white flower of the giant water lily. These flowers are white before they are pollinated. Once they are pollinated, they change to a deep pink.

Incoming 5th Grade Summer Work

Name: _____

Date: _____

1. 4.NBT.A.1
Complete the pattern.
 $200,000 \div 20,000 = 10$
_____ $\div 2,000 = 10$
 $2,000 \div$ _____ $= 10$
 $200 \div$ _____ $= 10$
 $20 \div 2 =$ _____

2. 4.OA.A.2, 4.OA.A.3
Every month Tim earns a paycheck for \$897. If he earns the same amount every month for a year, how much does Tim earn in one year?

3. 4.OA.C.5
Complete the table and find the rule.

X	Y
2	5
4	11
5	14
	20
12	

Rule: _____

4. 4.NF.B.3.D
Ava ran $3 \frac{2}{4}$ miles this morning. Her best friend ran $3 \frac{3}{4}$ miles. How many miles did they run altogether?

5. 4.NF.C.7
Compare the decimals using $>$, $<$, or $=$.

$$637.32 \text{ _____ } 637.3$$

$$15.7 \text{ _____ } 15.09$$

6. 4.MD.A.1
Fill in the missing numbers.

Length Conversions	
inches	feet
12	1
24	
36	
	4

7.

4.OA.A.2, 4.OA.A.3

Julie sends 1,484 text messages each month. If there are four weeks in a month, how many text messages does Julie send in one week?

8.

4.NF.B.4.C

There are 5 runners on a relay team. Each runner will run $\frac{3}{7}$ of a mile during the race. How many miles will the runners run altogether?

9.

4.MD.A.1

Fill in the missing numbers.

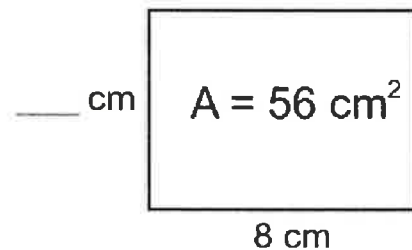
Capacity Conversions	
1 cup = _____	ounces
32 ounces = _____	pints
2 quarts = _____	cups
1 gallon = _____	pints
3 pints = _____	cups

10.

4.MD.A.3

What is the length of the unknown side?

Find the perimeter.



11.

4.NBT.A.2

Round each number to the nearest...

1,000; 645,730 _____

100,000; 5,455,676 _____

1,000,000; 2,632,109 _____

12.

4.OA.A.2, 4.OA.A.3

Victor and his family are getting ready for a birthday party. They purchased 138 balloons for \$3 each and 75 invitations for \$2 each. Their total budget for the party is \$1,000, and they still need to purchase food. How much money do they have left for food?

13.

4.OA.B.4

What is the greatest common factor of 63 and 27?

What is the least common multiple of 9 and 6?

14.

4.NF.B.3.D

Last night, Mandy ate $\frac{2}{8}$ of a pizza. Today for lunch, she ate $\frac{3}{8}$ of the pizza. What fraction of the pizza is left over?

15.

4.NF.B.4.C

Ms. Katie had a pizza party with the art club. There are 8 students and each student ate $\frac{1}{3}$ of a pizza. How many pizzas did they eat altogether?

16.

4.NBT.A.1

Complete the pattern.

$$4 \times 10 = 40$$

$$\underline{\hspace{2cm}} \times 10 = 400$$

$$400 \times 10 = 4,000$$

$$4,000 \times 10 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$$

17.

4.OA.A.2, 4.OA.A.3

The Miami City Ballet had four performances this past weekend. Each performance was sold-out with 1,287 people in attendance. How many total people saw the Miami City Ballet perform this past weekend?

18.

4.OA.C.5

Complete the table and find the rule.

X	Y
4	2
6	3
10	5
	10
24	

Rule:

19.

4.NF.B.3.D

Dan and his family are traveling to North Carolina. On Monday, they drove $\frac{3}{8}$ of the trip and on Tuesday they drove $\frac{4}{8}$ of the trip. How much of the trip did they drive so far?

20.

4.NF.B.4.C

Johnny has 12 paperclips. Each paperclip is $\frac{3}{4}$ of an inch long. If he were to link them all together to make a long chain of paperclips, how many inches long would it be?

21.

4.NF.C.7

Compare the decimals using $>$, $<$, or $=$.

8.45 _____ 8.54

7.03 _____ 7.07

22.

4.NBT.A.2

Compare the numbers using $>$, $<$, or $=$.

8,374,199 _____ 6,898,777

128,943 _____ 128,755

4,375,320 _____ 4,735,320

23.

4.OA.A.2, 4.OA.A.3

All of the fourth grade classes raised \$2,544 during the fundraiser. They now get to split it evenly between the 8 fourth grade classes for their end of year party. How much money will each class get?

24.

4.NF.B.4.C

Brian needs to bake 6 batches of cookies. Each batch calls for $\frac{3}{4}$ teaspoon of vanilla. How much vanilla will Brian need altogether?

25. 4.NF.C.7
Compare the decimals using >, <, or =.

$$327.09 \quad \underline{\hspace{1cm}} \quad 327.12$$

$$45.50 \quad \underline{\hspace{1cm}} \quad 45.05$$

26. 4.NBT.A.2
What is the PLACE VALUE of the underlined digit?

$$\underline{6},289,543 \qquad 6,28\underline{9},543$$

27. 4.NBT.A.2
Order the numbers from GREATEST to LEAST.

675,201; 675,102; 675,121

28. 4.NBT.B.4
Solve. $\underline{\hspace{1cm}}$

$$\begin{array}{r} 657,487 \\ + 122,897 \\ \hline \end{array} \qquad \begin{array}{r} 428,214 \\ - 72,477 \\ \hline \end{array}$$

29. 4.NBT.B.5
Use a strategy to find the product.

$$\begin{array}{r} 5,098 \\ \times \quad 8 \\ \hline \end{array} \qquad \begin{array}{r} 824 \\ \times \quad 73 \\ \hline \end{array}$$

30. 4.NBT.A.2
Write the number in word form and standard form.
 $5,000,000 + 40,000 + 7,000 + 500$

31.

4.NBT.B.6

Use a strategy to find the quotient.

$$12 \overline{)6,553}$$

32.

4.NBT.B.4

Home Depot ordered 34,890 pieces of wood and 16,492 boxes of nails. How many items did Home Depot order in all?

NONFICTION BOOK REPORT

Name _____ Date _____ Date report is due _____

Title of Book _____ AR Points _____

Author of book _____ AR Book Level _____

Choose the
type of
nonfiction
book you read

- A biography (a story about a famous person)
- An autobiography (a person writes about him/herself)
- Science topic
- Social Studies/History topic
- Sports topic

Write 5 facts from your book. The facts must be written in **complete sentences** with **capitalization** and **punctuation**.

1. _____

2. _____

3. _____

4. _____

5. _____

Would you recommend this book to someone else? Yes/No (**circle one**)

Why or why not? (use one **complete sentence**)

Draw and **color** an illustration that supports one of your facts that you listed above:

Fact: _____

Book Title: _____

Author: _____

Main Character: _____

Character Trait: _____

Evidence from story to support the trait:

Setting: _____

Problem in the story:

How the problem was solved:

Brief Summary of the Book

Would you recommend this book to a friend?

Y N

Explain why or why not:

Illustration of favorite scene: _____