

## Dear Rising Fifth Grade Mathematicians,

This summer, some hard work will help you to prepare for fifth grade math. The most important thing you can do to get ready for fifth grade is to **memorize your multiplication tables!** When your math facts are automatically in your head it is like having all of the ingredients for a recipe ready for you- you can jump right to the next step.

You should practice multiplication facts **often**. There are plenty of chances to practice in your daily life. (There are 6 friends coming over to eat pizza. Each person will probably eat three slices. How many slices of pizza do you need? How many pizzas will you need to order so that you have enough?)

For your summer math work you have **two options**. (Yes, you get to choose! How cool is that?)

1. Complete the **end-of-year Everyday Math assessment packet**
  - a. If you choose this option, you'll hand it in on the first day of school.
  - b. Please show your work and complete all work in pencil!
  
2. Practice math skills on **IXL.com**. If you use the electronic version of this document which will be e-mailed to all families, you can click directly on each skill to access the corresponding link.
  - a. If you choose this options, you must master with **at least 80% accuracy seven** of the following 4th grade math skills.
  - b. Although you can choose which topics are best for you, you must master at least **one skill from each category** (Multiplication, Division, Mixed Operations, Functions, Fractions)
  - c. You can always try to master more than seven, but start by choosing skills in which you feel you need a little extra practice.
  - d. For this option, your teachers can view what you practice online, so you won't have to hand anything in on the first day of school.

### ❖ Multiplication

- D.2 Multiplication facts up to 12: find the missing factor
- D.3 Choose the multiples of a given number up to 12
- D.4 Identify factors
- D.5 Multiply 1-digit numbers by 2-digit numbers

- D.6 Multiply 1-digit numbers by 3-digit or 4-digit numbers
- D.7 Multiply 1-digit numbers by larger numbers
- D.8 Multiplication patterns over increasing place values
- D.10 Distributive property: find the missing factor
- D.11 Multiply using the distributive property
- D.12 Estimate products - multiply by 1-digit numbers
- D.13 Estimate products - multiply by larger numbers
- D.28 Inequalities with multiplication
- D.29 Multiplication input/output tables
- D.30 Multiplication input/output tables: find the rule

#### ❖ Division

- E.1 Division facts to 12
- E.2 Division facts to 12: word problems
- E.3 Properties of division
- E.4 Divide 2-digit numbers by 1-digit numbers
- E.5 Divide 2-digit numbers by 1-digit numbers: word problems
- E.15 Divisibility rules
- E.26 Estimate quotients

#### ❖ Functions

- H.1 Input/output tables with addition, subtraction, multiplication, and division
- H.2 Complete a table for a two-variable relationship
- H.3 Write a two-variable equation
- H.4 Graph a two-variable relationship

#### ❖ Mixed Operations

- F.1 Add, subtract, multiply, and divide
- F.2 Addition, subtraction, multiplication, and division word problems
- F.3 Estimate sums, differences, products, and quotients: word problems
- F.4 Multi-step word problems
- F.7 Choose numbers with a particular sum, difference, product, or quotient
- F.10 Inequalities involving addition, subtraction, multiplication, and division

#### ❖ Fractions

- Q.1 Fractions review
- Q.2 Understanding fractions: word problems
- Q.3 Mixed number review
- Q.6 Equivalent fractions
- Q.9 Reduce fractions to lowest terms
- Q.10 Benchmark fractions
- Q.11 Compare fractions using benchmarks
- Q.13 Compare fractions with like numerators or denominators using models
- Q.14 Compare fractions with like numerators or denominators

- Q.19 Order fractions with like numerators or denominators
- Q.20 Order fractions
- Q.22 Convert between improper fractions and mixed numbers
- S.1 Add fractions with unlike denominators using models
- S.2 Add fractions with unlike denominators
- S.3 Subtract fractions with unlike denominators using models
- S.4 Subtract fractions with unlike denominators

Whether you choose the paper and pencil practice, the online practice, or both, solidifying math skills over the summer is a great way to be ready for the start of school in September. We can't wait to start getting to know you as middle school mathematicians!

Sincerely,

Kim and Tishna, the 5th Grade Teaching Team

[kkraemer@greenestreetfriends.org](mailto:kkraemer@greenestreetfriends.org)

[tmohiuddin@greenestreetfriends.org](mailto:tmohiuddin@greenestreetfriends.org)

P.S. Parents, please feel free to email us with any questions.

## Dear Rising 5th Grade Readers,

We're so excited to get to spend the year with you! We love learning about anything and everything and can't wait to get started on our journey of learning together.

Confucius, a Chinese philosopher, said, "You cannot open a book without learning." So, your first summer assignment is - READ! We hope you will read anything you can get your hands on this summer. Along with your reading, there are two summer assignments for you to complete.

### 1). Track your reading

It can be a gratifying experience to track what you read, so we've come up with two options to choose from for tracking your summer reading. You can fill out the attached reading log or you can use this online reading log sponsored by the Philadelphia Library:


<https://libwww.freelibrary.org/summerreading/>

If you choose the paper option, you must hand in your reading log on the first day of school. If you use the Philadelphia Library's reading log, you can click on the link above, and log-in with the following information:

Username: GSFS Summer Reading Log

Password: GSFSread

Once you've logged in,



Log Reading and Activities

Click on the

button

Then click on the drop down menu to find your name

Whose profile should this be added to? \*

Reader 15'S

You can now log your time, books, and activities by clicking on one of the two icons available to you. You can earn "badges" from the Philadelphia Library by completing logging **minutes** and completing **activities**. For school, you only need to log **minutes**.



**Minutes**



**Activities**

Everyone is required to read **four books** this summer. While this is the minimum, your goal should be to read twenty-one books this summer. That's about a book everyone four days, which is the goal we will have all year long!

You may choose any books you'd like to read this summer as long as they fit the following requirements:

- The book is not too easy for you.
- The book is not too hard for you.
- The book is interesting and exciting to you.

The adults in your life will have a good sense of whether you are meeting the requirements, so listen to their advice!

## 2). **Advertise**

It's also important to share great books with our classroom community of readers. Your second assignment is to make an **8 ½ x 11-inch poster advertising the best book you read this summer**. I suggest looking at some movie posters or other advertisements to get an idea of how to get others interested in your favorite book.

If you prefer, you could opt to **make a book trailer**. Look up trailers for some of your favorite books online to get an idea of how you could do this. Be creative! Make it fun!

Your poster or trailer **must include:**

- Your name (on the back of the poster or in the credits of your trailer)
- The title
- The author
- An illustration that shows what the book is about, but is different than the cover
- Here is a sample trailer for the book [The Tale of Despereaux](#) by Kate DiCamillo. You should make sure any drawings you include in your trailer are your own. <https://youtu.be/2tXKUnKykoA>

**At least one** of the following

- Your opinion about the book
- A quote from the book
- A "teaser" or exciting summary of the beginning of the book
- A description of the main character(s)

Sincerely,

Kim and Tishna, the 5th Grade Teaching Team

[kkraemer@greenestreetfriends.org](mailto:kkraemer@greenestreetfriends.org)

[tmohiuddin@greenestreetfriends.org](mailto:tmohiuddin@greenestreetfriends.org)

P.S. Parents, please feel free to email us with any questions.

Summer Reading Log  
Due on the 1st day of school

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

<b>Title of Book</b> (Please remember to capitalize properly and underline titles.)	<b>Author</b>	<b>Date started</b>	<b>Date completed</b>
1.			
2.			
3.			
4.			
Congratulations, you have finished your required reading. Don't stop reading now!			
5.			
6.			
7.			

8.			
9.			
10.			
11.			
12.			

There are about 12 weeks in summer.  
If you've read 12 books, you've read about 1 book per week.  
Awesome job!

13.			
14.			
15.			



16.			
17.			
18.			
19.			
20.			
21.			