

## Summer Math Ideas

**DIRECTIONS:** Do your best to complete as many of these summer math activities as you can! Record your work in your math journal every day. In September, share your Math Journal with your sixth grade teacher.

### Each journal entry should

- Have the date of the entry
- Have a clear and complete answer
- Be neat and organized

Here is an example of a "Great" journal entry:

July 28<sup>th</sup>  
 Today's number is 144.  
 $12 \times 12 = 24 \times 6 = 48 \times 3$   
 $1440 \div 10 = 12 = 12$   
 $143 + 1 = 121 + 22$

**Other games to play:** Checkers, Othello, Memory, Set, jigsaw puzzles, Parcheesi, Crazy Eights, Connect Four, Legos, etc.

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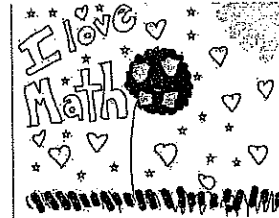
Some of these activities have been adapted from materials developed by Cambridge and Brookline Public Schools

## Summer Math Learning Packet Students Entering Grade 6

Discover mathematics all around you this summer!!! Just as with reading, regular practice over the summer with problem solving, computation, and math facts will maintain and strengthen the mathematical gains you made over the school year.

Attached to this letter, you will find creative mathematics activities to explore at home. The goal is for you to have fun thinking and working collaboratively to communicate mathematical ideas. While you are working, ask how the solution was found and why a particular strategy was chosen.

The Summer Math Learning Packet consists of 2 calendar pages, one for July and one for August, as well as directions for math games to be played at home. Literature and websites are also recommended to explore mathematics in new ways. We encourage you to complete at least 15 math days each month. Keep track of your math in a journal.



Fun math books to read	Fun websites to explore
<p><u>A Gebra Named Al</u> by Windy Isdell  <u>Math Curse</u> by Jon Scieszka  <u>Chasing Vermeer</u> by BlueBalliett  <u>Counting on Frank</u> by Rod Clement  <u>Guinness Book of Records</u> by Time Inc  <u>Mathematicians are People Too</u> by Luetta Reimer &amp; Wilbert Reimer</p>	<p><a href="http://www.funbrain.com">www.funbrain.com</a>  <a href="http://www.aplusmath.com">www.aplusmath.com</a>  <a href="http://www.pbskids.org">www.pbskids.org</a>  <a href="https://illuminations.nctm.org/">https://illuminations.nctm.org/</a>  <a href="http://www.setgame.com">www.setgame.com</a>  <a href="http://www.multiplication.com">www.multiplication.com</a>  <a href="http://www.firstinmath.com">www.firstinmath.com</a>  <a href="http://mathforum.org/index.html">http://mathforum.org/index.html</a></p>

### Student Participation

The intention is that your child spends at least 10 minutes a day, 4 to 5 times a week, practicing math. When your child has completed the math requirements, please sign and return this paper to the sixth grade teacher with his/her journal.

Parent's signature \_\_\_\_\_

Date \_\_\_\_\_

### Grade 6

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### Math Tools You'll Need:

- Notebook for math journal
- Pencil
- Crayons
- Regular deck of playing cards
- Coins

# July

# Entering Sixth Grade Mathematics Calendar

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
	What is the perimeter of your room measured in feet and inches? in meters and cm?	Square the following numbers: 8, 10, 6, 7, 9, 11	Fireworks can go up 1000 feet in around 3 seconds. Whats is its average vertical speed in feet per second and miles per hour?	Find the sum of the digits of your phone number. What numbers is it divisible by?	Six friends have 4 sandwiches to share. What fraction of a sandwich will each person get?	
7	8	9	10	11	12	13
	Express the number 50 in at least 25 different ways. Use all 4 operations and include fractions and decimals.	How many 25s are in 300? How many 20s are in 4,000?	Try a new activity at <a href="http://www.coolmath4kids.com">http://www.coolmath4kids.com</a>  Challenge yourself. What did you chose to do?	Predict the number of times a 6 will occur when you roll a die 50 times. Roll the die and record the results- are they the same as your prediction? Why?	Count cricket chirps for 15 sec. Add 39. This will give you the Fahrenheit Temperature outside. Try it on 3 different days. Does it work?	
14	15	16	17	18	19	20
	Choose a favorite professional athlete and research their annual salary. How much do they earn in a month? A day?	Read a book from the suggested " <b>Great Math books to Read</b> " What new vocabulary did you use?	Measure and record the heights of each member of your family in inches. What is the difference between the tallest and the shortest persons?	A California Condor has a 114 in. wingspan. How many feet is that?	I am an even, 3 digit palindrome. (ex: 464) The product of the digits is 8. What number am I?	
21	22	23	24	25	26	27
	Record the time you go to bed and get up for 1 week. Figure out the total hours & minutes. Find the mean, median, and range.	Try " <b>Beatcalc</b> " at <a href="http://mathforum.org/index.html">http://mathforum.org/index.html</a>	Plan a meal for your family. With an adult, make a list of the ingredients, go shopping, and then follow the recipe.	Try the <b>Weigh the Wangdoodles</b> at <a href="http://mathplayaround.com/">http://mathplayaround.com/</a>	Today's number is 144 Make 144 by: -Multiplying two numbers -Dividing two numbers -Adding odd numbers	
28	29	30	31			
	A farm has cows and ducks. There are 78 feet and 27 heads. How many of each animal are there? How do you know?	Cut a string 1 meter long. Identify and record 10 items that are this length.	I am thinking of an odd number. The digits in my number are 4, 3, 2, 6. My hundreds place is less than my thousands place and less than my tens place. What number am I?			

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# August

# Entering Sixth Grade Mathematics Calendar

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 Bill and Carol buy a pizza that is cut into 8 equal slices. If Bill eats $\frac{1}{8}$ and Carol eats $\frac{1}{4}$ of the pizza, how many eighths of the pizza are left?	2 Choose a geometry activity at Math Illuminations <a href="http://illuminations.nctm.org/activitysearch.aspx">http://illuminations.nctm.org/activitysearch.aspx</a>	3
4 Is a 3 gallon pitcher large enough to hold 25 pints of juice? Explain.	5	6 Play <b>Sudoku</b> from the newspaper.  How did logic help you to solve the puzzle?	7 How many blades of grass are in one square yard of your backyard? Use logic, measurement, and problem solving strategies to find the answer.	8 Read a book from the suggested " <b>Great Math Books to Read</b> " What new math did you discover?	9 If 210 children and 45 adults are going on a field trip, how many buses do they need? Each bus can seat 50 people. How many empty seats will you have?	10
11 Read <u>Guinness Book of Records</u> by Time Inc.  What record surprised you the most? Why?	12	13 I am a number less than 50. When divided by 5, my remainder is 4. Who am I? Is there more than 1 correct answer?	14 How many minutes in 1 hour? How many seconds in 1 hour? How many minutes in 1 day? How many seconds in 1 day?	15 Jen is 12. Amy is 13. In 25 years, what will be the product of their ages?	16 Help! I have 17 eggs but I want 113! How many more do I need? How many egg cartons (dozen sized) do I need to carry 113 eggs?	17
18 Try a new activity at <a href="http://www.coolmath4kids.com">www.coolmath4kids.com</a>  Challenge yourself. What did you choose to do?	19	20 Survey 10 friends or relatives to find out their favorite outdoor activity. Graph the results.	21 Kate's garden is in the shape of a square with a perimeter of 32 feet. What is the area of her garden?	22 Play the <b>Product Game</b> at <a href="http://www.illuminations.nctm.org">www.illuminations.nctm.org</a>  Record the strategy that you used.	23 Play a game. What strategy did you use? Would you use that strategy again?	24
25 If you save two cents everyday in the month of July, how much money will you have saved at the end of the month?	26	27 Barry bought a roll of ribbon to make bows for his gift boxes. There were 132 inches of ribbon on the roll. How many feet of ribbon was that?	28 The largest prime number less than 30 is _____?	29 If it takes 13 minutes to charge a smartphone from 5% to 20% battery, how long would it take to go from 0% to 100%? Assume the rate is constant.	30 <b>YOU DID IT!</b> Please bring your journal to your sixth grade teacher on the first day of school!	31

Boston Public Schools Summer

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# My Summer Math Journal

Name \_\_\_\_\_

Please decorate the cover of your journal with drawings or images that reflect you.

July recording sheet

Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

August recording sheet

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

NAME: (first and last) \_\_\_\_\_

**summer required reading assignment**  
**Rising 6th Graders**  
**Warren-Prescott K-8 Mrs. Stansfield**

The summer slide: it sounds fun, but it can make the transition from 5th to 6th grade really difficult. Warren-Prescott students can start strong in the fall if their reading habits don't slide away during the summer, or if their reading habits are currently weak, this is the perfect way to build them up. The more students read, the stronger their skills are in all subject areas.

Students should use the Reading Bingo Card to vary the books they read. The goal would be to read 4-5 books to reach bingo. You can read more if you choose!

→ You will choose 1 book to complete a report on.

Don't forget that summer should still be fun! Summer reading is the opportunity for students to relax and enjoy themselves. If you get to pick your books, you will be more likely to spend more time reading, not because you have to, but because you want to.

Look at the book idea lists for help in choosing books. Readers should pick books that appeal to them, not books that frustrate them. If you have to check the dictionary every 5 minutes, how can you get lost in a book?

\*\*\*Use the five-finger rule: find a book that looks good, open it to any random full page, and hold up a finger every time you find a word you don't know. At the end of the page, if you have 4 or 5 fingers up, you're in the wrong book.

Book ideas

- ❖ Middle Grade books
- ❖ 50 Best books for 11-12 year olds
- ❖ Boston Public Library Summer Book List

## READING BINGO - STANSFIELD

<p><b>A book more than 300 pages</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A book with a number in the title</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A scary book</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A graphic novel</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>
<p><b>A book based on a true story</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A historical fiction book</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A book recommended by a friend</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>FREE</b></p> 
<p><b>Any book (150 pages or more)</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A graphic novel</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>YOUR CHOICE</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A book that is a movie</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>
<p><b>Something from the booklist</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>Book club choice w/ a friend(s)</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A nonfiction book</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A fantasy book</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>
<p><b>A book chosen because of the cover</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>YOUR CHOICE</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A book with a 1 word title</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>	<p><b>A book that is more than 10 years old (2009 or earlier)</b></p> <p>Title:</p> <p>Author:</p> <p>Parent/guardian signature:</p>



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

Middle School Outline Template for Book Report --- MRS. STANSFIELD

- This template will map out the information you need to include in your book report. As you read the book, fill in the sections for this template. You will receive a grade for this template and for the report (see points next to each item). You are competing this for 1 of the books you read this summer.
- When you go to write your book report, be sure to include the information completed on the following pages. The final report can be typed or neatly hand-written. Be sure to hand into your English teacher both this template and the book report when you return to school.

Introductory paragraph - What is the name and author of the book on which you are choosing to write? (2 pts.)

Book title: \_\_\_\_\_

Author: \_\_\_\_\_

Write at least 3 facts about the author (Where is he/she from? What kinds of books does he/she write? About what topics does he/she write?) (3 pts.)

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2nd paragraph

Write 1-2 sentences that give a brief summary of the book (ex: Loser is the story of Donald Zinkoff, a student who struggles to stand strong even though he is constantly teased by his classmates.

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Write 2-3 sentences that describe the setting of the book (Where and when does the story take place? How is the setting significant to the story?)( 8 pts)

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3rd paragraph

Write a topic sentence about the major characters of the book (ex: There are several main characters involved in the book The Giver) (8 pts.)

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Describe the main characters in the book in the 2nd paragraph (you may have 2, 3, 4, 5 or more important characters). Include characteristics of the characters that are important to the story.

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4th paragraph

Write a topic sentence about the main events that occur in the book (ex: There are several main events that happen in the story of The Giver) (10 pts.)

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Include the main events of the book in the 4th paragraph:

First, \_\_\_\_\_

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Next, \_\_\_\_\_

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Then, \_\_\_\_\_

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Finally, \_\_\_\_\_

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The 5th paragraph will discuss a section of the book you found to be most interesting. Start out this paragraph with the following quote. "The part of the book I found to be most interesting is around page \_\_\_\_\_, when . . ." (jot down some of the interesting details here) (4 pts.) Give at least 2 reasons why this part is interesting to you:

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The 6th paragraph will tell why you liked or disliked the book The topic sentence should include whether you liked or disliked the book.

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Include 3-4 sentences that tell why you liked, or disliked or the book. (6 pts.)

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FANTASY, MAGIC, AND HORROR

MYSTERY AND ADVENTURE

COMING OF AGE

INSPIRED BY HISTORY

PAGE-TURNING NONFICTION

- Circus Mirandus** by Cassie Beasley | 9780147515544
- Dealing with Dragons** by Patricia C. Wrede | 9780544541221
- Doll Bones** by Holly Black, illustrated by Eliza Wheeler | 9781416963998
- Impyrium** by Henry H. Neff | 9780062392053
- Eragon** by Christopher Paolini | 9780375826696
- Furthermore** by Tahereh Mafi | 9781101994764
- The Girl Who Drank the Moon** by Kelly Barnhill | 9781616205676
- His Dark Materials Trilogy** by Philip Pullman
- The Hobbit** by J.R.R. Tolkien | 9780345534835
- Lockwood & Co.: The Screaming Staircase** by Jonathan Stroud | 9781423186922
- The Phantom Tollbooth** by Norton Juster, illustrated by Jules Feiffer | 9780394820378
- Escape from Mr. Lemoncello's Library** by Chris Grabenstein | 9780307931474
- Hoot** by Carl Hiaasen | 9780440419396
- The Nameless City** by Faith Erin Hicks, color by Jordie Bellaire | 9781626721562
- Princess Academy** by Shannon Hale | 9781619636132
- Spaced Out** by Stuart Gibbs | 9781481423366
- The Westing Game** by Ellen Raskin | 9780142401200
- Where the Mountain Meets the Moon** by Grace Lin | 9780316114271
- Al Capone Does My Shirts** by Gennifer Choldenko | 9780142403709
- American Born Chinese** by Gene Luen Yang | 9780312384487
- Because of Mr. Terupt** by Rob Buyea | 9780375858246
- The Best Man** by Richard Peck | 9780803738393
- As Brave As You** by Jason Reynolds | 9781481415903
- Counting by 7s** by Holly Goldberg Sloan | 9780142422861
- The Crossover** by Kwame Alexander | 9780544107717
- Flying Lessons & Other Stories** edited by Ellen Oh | 9781101934593
- Goodbye Stranger** by Rebecca Stead | 9780385743174
- The House on Mango Street** by Sandra Cisneros | 9780679734772
- Mockingbird** by Kathryn Erskine | 9780142417751
- Okay for Now** by Gary D. Schmidt | 9780544022805
- Pax** by Sara Pennypacker, illustrated by Jon Klassen | 9780062377012
- Return to Sender** by Julia Alvarez | 9780375851230
- The Seventh Most Important Thing** by Shelley Pearsall | 9780553497311
- Stargirl** by Jerry Spinelli | 9780440416777
- Touching Spirit Bear** by Ben Mikaelson | 9780380805600
- When You Reach Me** by Rebecca Stead | 9780375850868
- Wolf Hollow** by Lauren Wolk | 9781101994825
- Before We Were Free** by Julia Alvarez | 9780440237846
- Boxers & Saints Series** by Gene Luen Yang
- Echo** by Pam Muñoz Ryan | 9780439874021
- The Inquisitor's Tale** by Adam Gidwitz, illustrated by Hatem Aiy | 9780525426165
- Little Women** by Louisa May Alcott | 9780375756726
- The Mighty Miss Malone** by Christopher Paul Curtis | 9780440422143
- Bomb** by Steve Sheinkin | 9781596434875
- Hidden Figures (Young Readers Edition)** by Margot Lee Shetterly | 9780062662385
- I Am Malala (Young Readers Edition)** by Malala Yousafzai | 9780316327930
- Isaac the Alchemist: Secrets of Isaac Newton, Revealed** by Mary Losure | 9780763670634
- Some Writer! The Story of E.B. White** by Melissa Sweet | 9780544319592
- What Color Is My World? The Lost History of African-American Inventors** by Kareem Abdul-Jabbar and Raymond Obstfeld | 9780763664428
- Women in Science: 50 Fearless Pioneers Who Changed the World** by Rachel Ignotofsky | 9781607749769

## Warren-Prescott K-8 \* Incoming 6th graders



Supplies have already been purchased for the incoming 6th graders. This includes:

- Notebooks (2)
- Folders
- Binders
- Dividers
- Lined paper
- Graph paper

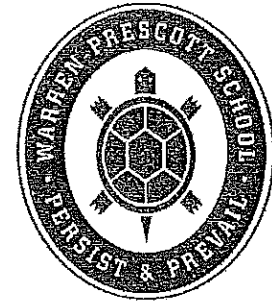
Suggested donation for these supplies is \$10 per child

### Additional supplies your child may need / want:

- Pencil case with pencils/pens
- Colored pencils
- Glue sticks
- Post-its
- Index cards
- 1-2 additional spiral notebooks (Spanish/other)

# Ordering Uniforms

We will continue to use our online store to order uniforms all year long. These are the same, high-quality uniforms that we have been selling at school the past couple years and we are thrilled to have this platform for ordering! We will have all of our essential uniform items throughout the year as well as periods where we sell long-sleeved t-shirts/polos and WP hats! As always, patches will continue to be sold at school and Charlestown Ace Hardware. Additionally, you can continue to order uniforms online through Lands End.



## **T-Shirts \$8.00**

These t-shirts are available for purchase to wear on PE day only. These are high-quality navy, cotton t-shirts with our logo screen-printed across the chest.

## **Light/Jersey Polo \$14.00**

These are a lighter option to the traditional polo. With our logo screen printed on the left chest, they look crisp and professional. We know it gets hot in our building and these are a great way to stay a little cooler while still looking our best!

## **Heavy Embroidered Polo \$18.00**

These are high-quality traditional polo shirts with our logo embroidered on the left chest. A bit thicker than the Jersey Polo, these shirts are great for the whole year!

## **Crewneck Sweatshirts \$20.00**

We have taken feedback from many families into consideration and have decided to allow the crewneck sweatshirts to be worn on all school days, not just P.E. days. Please note, when wearing this sweatshirt on non-P.E. days, collars from polo shirts should be visible at the neck of the sweatshirt. Navy blue or white long-sleeved shirts can also be worn underneath polo shirts during the colder months.

## **HOW TO ORDER FROM OUR ONLINE STORE:**

- VISIT our school store website, [www.WPschoolstore.com](http://www.WPschoolstore.com) at any time throughout the summer or school year
- Choose the item(s) you would like to purchase and add them to your cart
- During checkout, you may use major credit cards or PayPal to purchase your items
- For your convenience, items may be shipped directly to your home or picked up at the College Hype store in Dorchester
- If you are having trouble with the website, you can contact Kathleen at College Hype (617)282-8883 or [kathleen@collegehype.net](mailto:kathleen@collegehype.net)

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To order online through Lands End, you will need our school number: 900102716