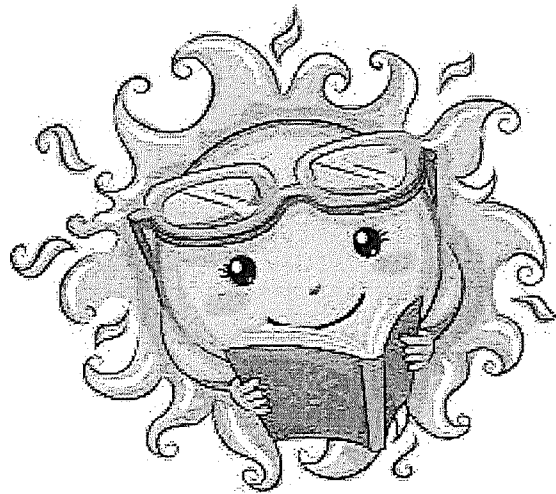


Entering Grade 5

ingresando al grado 5

Summer Learning Packet

paquete de aprendizaje de verano



Sumner School

Name/Nombre: _____

Summer Reading Together

This summer,

3rd graders will read

Battle of the Bad-Breath Bats by David Bowles and Shane Clester

4th graders will read

Planet Omar by Zanib Mian

5th graders will read

The First Rule of Punk by Celia Cruz

Contemporary Fiction

Dumpling Days..... Lin
EllRay Jakes (series)..... Warner
Frankie Sparks and the Class Pet (series)..... Blakemore
From the Desk of Zoe Washington..... Marks
Front Desk..... Yang
The Great Treehouse War..... Graff
Jasmine Toguchi: Mochi Queen..... Florence
Just Right Jillian..... Collier
Lety Out Loud..... Cervantes
Maizy Chen's Last Chance..... Yee
Make Way for Dyamonde Daniel (series)..... Grimes
Merci Suarez Can't Dance..... Medina
Midsummer's Mayhem..... LaRocca
Mindy Kim and the Yummy Seaweed Business (series).... Lee
Nikki and Deja (series)..... English
Operation Sisterhood..... Rhuday-Perkovich
Sadiq and the Desert Star (series)..... Nuurali
Scientific Life of Azaleah Lane (series)..... Smith
The Season of Styx Malone..... Magoon
Simon B. Rhymin'..... Reed
Sofia Valdez and the Vanishing Vote (series)..... Beaty
Something To Say..... Ramée
Stella Diaz Never Gives Up..... Dominguez
The Terrible Two (series)..... Barnett
Ways to Make Sunshine (series)..... Watson
Zayd Saleem, Chasing the Dream..... Khan

Folktales, Fairy Tales, & Legends

Feathered Serpent and the Five Suns..... Tonatiuh
High-Five to the Hero..... Murrow
The Legend of Gravity: A TALL Basketball Tale..... Palmer
Nelson Mandela's Favorite African Folktales..... Mandela
Power to the Princess..... Murrow
The Sea-Ringed World:
Sacred Stories of the Americas..... García Esperón
Tales Our Abuelitas Told:
A Hispanic Folktale Collection..... Campoy and Ada
Treasury of Magical Tales From Around the World..... Napoli

Science Fiction & Fantasy

Dory Fantasmagory..... Hanlon
The Fairy Tale Detectives (series)..... Buckley
Gumazing Gum Girl (series)..... Montijo
Midnight War of Mateo Martinez..... Yardi
Mulan: Before the Sword..... Lin
Pip's Guide to Magical Creatures..... Pearce & Steifvater
The Coin Slot Chronicles..... Jennings
The Unicorn Rescue Society (series)..... Gidwitz
Sisters of Neversea..... Smith
Where the Mountain Meets the Moon..... Lin

Biography & Autobiography

Above the Rim: How Elgin Baylor Changed Basketball Bryant
Becoming Kid Quixote: A True Story of Belonging in America Sierra
Exquisite: The Poetry and Life of Gwendolyn Brooks..... Slade
I Am Not A Label..... Burnell
Latinitas: Celebrating 40 Big Dreamers..... Menéndez
Look Up With Me: Neil deGrasse Tyson..... Berne
One Step Further: My Story of Math, the Moon, and a Life-long Mission..... Johnson
She Persisted: Sonia Sotomayor (series)..... Medina
Sprouting Wings: The True Story of James Herman Banning. Jaggar
When the Beat Was Born: DJ Kool Herc and the Creation of Hip Hop..... Hill
Who is Greta Thunberg? (series)..... Leonard
Who is Kamala Harris? (series)..... Anderson

Historical Fiction

I Survived the Great Molasses Flood, 1919 (series)..... Tarshis
Lincoln Project (Flashback Four series)..... Gutman
Marika Marches for Equality..... Alikhan
The Mighty Miss Malone..... Curtis
One Crazy Summer..... Williams-Garcia
Out of Left Field..... Klages
Riding Freedom..... Ryan
Turtle in Paradise..... Holm

Informational Books





A Child's Introduction to African American History..... Asim
Brave. Black. First: 50+ African American Women
Who Changed the World..... Hudson
A Child's Introduction to Egyptology..... Alexander
Good Night Stories for Rebel Girls..... ed. by Workneh
I Am An American: The Wong Kim Ark Story.. Brockenbrough
It's A Numbers Game! Basketball..... Buckley
Just Right: Searching for the Goldilocks Planet..... Manley
King of Ragtime: The Story of Scott Joplin..... Costanza
The Last Straw: Kids Vs. Plastics..... Hood
More Than Just A Game:
The Black Origins of Basketball..... Moore
Sanctuary: Kip Tiernan and Rosie's Place..... McDonnell
Saving American Beach..... King
Sharks: Nature's Perfect Hunter
(Science Comics series)..... Flood
Water: A Deep Dive into Discovery..... Mihaly
What's In Your Pocket?
Collecting Nature's Treasures..... Montgomery
Winged Wonders:
Solving the Monarch Migration Mystery..... Pincus
Your Place in the Universe..... Chin

Poetry Books

Bravo: Poems about Amazing Hispanics..... Engle
Family Poems for Every Day of the Week..... Alarcón
In the Spirit of a Dream: 13 Stories of American Immigrants of Color..... Salazar
The Taco Magician..... Gonzales Bertrand
The Undeclared..... Alexander
Voices of Justice: Poems about People Working for a Better World..... Lyon
Write! Write! Write!..... Vanderwater

Summer Learning Continues Online!




Did you know that the same virtual learning resources your child used all year are available to you through the summer? Access through the Clever Portal on any device: <https://clever.com/in/bostonpublic/>. Use your child's BPS login and password. Forgot your password? Ask your child's teacher.

	Lexia Adaptive activities aligned to your student's reading abilities and needs
	Epic Access to a wide variety of digital books, including text and audio books
	RAZ-Kids Access to books and activities with an optional game-based incentive program. Available 6 am- 3pm Monday-Friday with a school account.
	ST Math Adaptive activities aligned to your student's mathematical and reading needs

***You may be able to borrow a Chromebook and Internet Hotspot from the Boston Public Library. Talk to a librarian or learn more at www.bpl.org/chromebook. ***

¡El aprendizaje de verano continúa en línea!

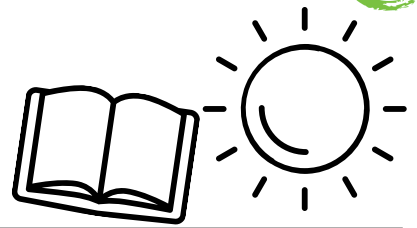
¿Sabía que los mismos recursos de aprendizaje virtual que usó su hijo durante todo el año están disponibles para usted durante el verano? Acceda a través del Portal Clever en cualquier dispositivo: <https://clever.com/in/bostonpublic/> . Use el nombre de usuario y la contraseña de BPS de su hijo. ¿Olvidaste tu contraseña? Pregúntele al maestro de su hijo.












	Lexia Actividades adaptativas alineadas con las habilidades y necesidades de lectura de su estudiante
	Epic Acceso a una amplia variedad de libros digitales, libros de texto y audio incluidos
	RAZ-Kids Acceso a libros y actividades con un programa opcional de incentivos basado en juegos. Disponible de 6 am a 3 pm de lunes a viernes con una cuenta escolar.
	ST Math Actividades adaptativas alineadas con las necesidades matemáticas y de lectura de su estudiante

****Es posible que pueda pedir prestado un Chromebook y un punto de acceso a Internet (Hotspot) de la Biblioteca Pública de Boston. Hable con un bibliotecario u obtenga más información en www.bpl.org/chromebook.***



_____ 's
SUMMER READING LOG



Date	Book Title	Book Rating
		
		
		
		
		
		
		
		
		
		
		




**BOSTON
PUBLIC
LIBRARY**

**CHILDREN'S
BINGO**



Use this fun bingo card to inspire your reading program participation, learning, and more this summer!

Go on a walk (with a grown-up)	Read a graphic novel	Attend a STEAM-related library program	Read a book in a series	Learn a new fact
Read a picture book	Help someone with something	Read a book with a cover that's your favorite color	Make and fly paper airplanes	Visit the library
Count the number of dogs you see on the street over the course of a day	Read a book about friendship		Read outside for 10 minutes	Build something
Play a game with someone	Read a nonfiction book	Set two ice cubes outside and see which one melts first	Read a book with an animal on the cover	Pick a flower and count the number of petals
Read a book that takes place at school	Listen to a new song	Read a book about a character you recognize	Draw a picture	Read a fantasy book



2024 Read Your Way to Fenway Entry Form

**BOSTON
PUBLIC
LIBRARY**

Win three (3) tickets to see the Boston Red Sox play the Arizona Diamondbacks on *Sunday, August 25 at 1:35 p.m.*



Who can enter? Children and teenagers (ages 5-17)

What do I have to do? Read 3 books and write a short essay about one of them.

Where do I bring this application? Complete both sides of this form and submit it to any Boston Public Library location.

When are the contest dates?

Turn in your form by **August 2 at 5:00 p.m.**; winners will be emailed by **August 16.**

Are there other guidelines?

- ✓ The contest is limited to one entry per year per person. If you enter more than once, you will be disqualified from winning tickets.
- ✓ It's okay to get help writing your essay, but it's not okay to copy someone else's words or use AI to write your entry. Breaking this rule will disqualify you from winning tickets.
- ✓ Winners must be joined by an adult at the game on **August 25.** Write this adult's contact information below so that they can use it to connect to the ticket app required to enter Fenway Park. Use the same adult information for all entries in your family.

Youth Information

First Name

Last Name

Age

Adult Information

First Name

Last Name

Street Address

City, State

Phone Number

Boston Public Library Branch/Location

Email Address *for contact and to connect to MLB Ballpark app (required to access tickets if won)*





2024 Read Your Way to Fenway Formulario de inscripción

**BOSTON
PUBLIC
LIBRARY**

Gana tres (3) boletos para ver jugar a los Boston Red Sox contra los Arizona Diamondbacks el **domingo, 25 de agosto a la **1:35 p.m.****



¿Quién puede participar? Niños y adolescentes (de 5 a 17 años)

¿Qué debo hacer? Lee 3 libros y escribe un ensayo breve sobre uno de ellos.

¿Dónde debo presentar esta solicitud? Completa ambos lados de este formulario y envíalo a cualquier sucursal de la Boston Public Library.

¿Cuáles son las fechas del concurso?

Entrega tu formulario antes del **2 de agosto** a las **5:00 p.m.**; los ganadores recibirán un correo electrónico antes del **16 de agosto**.

¿Hay otras reglas para participar?

- ✓ El concurso está limitado a una participación al año por persona. Si participas más de una vez, quedarás descalificado para ganar boletos.
- ✓ Está bien recibir ayuda para escribir tu ensayo, pero no está bien copiar las palabras de otra persona o usar IA para participar. El incumplimiento de esta regla te descalificará para ganar boletos.
- ✓ Los ganadores deberán ir acompañados de un adulto al partido del **25 de agosto**. A continuación, escribe la información de contacto del adulto para poder utilizarla en la aplicación de boletos requerida para ingresar a Fenway Park. Utiliza la misma información del adulto para todas las entradas de tu familia.

Información para jóvenes

Nombre

Apellido

Edad

Información del adulto

Nombre

Apellido

Dirección

Ciudad, Estado



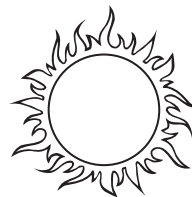
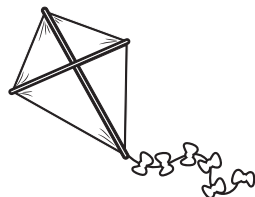

Número de teléfono

Sucursal/Local de la Boston Public Library

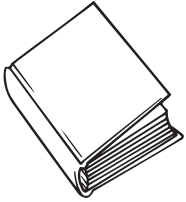

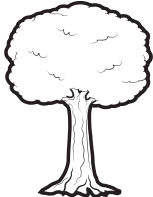

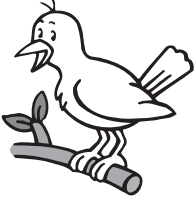
Dirección de correo electrónico de contacto y para conectar a la aplicación MLB Ballpark
(necesaria para acceder a los boletos, en caso de ganar)



July Writing Prompts

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Today is the halfway point of the year! What was your favorite day of 2024 so far? What happened? 1	Write a funny story about a dog that sits at the dinner table for meals. 2	This summer, I am going to learn how to... 3	Explain what the 4th of July means to you. 4	If I could invent a new flavor of ice cream, it would be... 5	If you could tame any wild animal, what would it be and why? 6
Name one thing you like about yourself. Why do you like it? 7	You're going on a road trip! What do you bring? 8	Design your own treehouse. What will it look like, and what will you put in it? 9	This summer, I hope I am lucky enough to... 10	You've just won the talent show! What did you do to win? 11	If you were a teacher, which subject would you teach? Why? 12	Write about your favorite outdoor summer activity. 13
If cats could talk, they would say... 14	Write about a food you have never eaten but really want to try. Why do you want to try it? 15	Which would you rather be—super-strong or super-fast? Why? 16	Design your perfect birthday party. 17	Describe something you're really good at. 18	The three things I appreciate most about my family are... 19	If I had wings like a hummingbird, I would fly to... 20
Imagine you have a pet monkey! What do you do with it? 21	You find shoes that turn you into a giant! What will you do? 22	How do you feel about surprises? 23	Imagine you're an animal at the zoo. Write about the day you escape! 24	Write a different ending to your favorite book. 25	What is something you do that makes people laugh? 26	Someone who can always make me laugh when I'm sad is _____, because... 27
Write a poem about a sunny day. 28	Explain how to fly a kite to someone who has never done it before. 29	If you could go anywhere in the world, where would you go and why? 30	I laughed so hard when... 31			
						

August Writing Prompts

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 If you were a crayon, what color would you be? Why?	2 What is your favorite physical activity? Why?	3 Imagine running into someone famous. Write out your conversation.
4 Imagine going for a ride in a hot air balloon. What do you see as you look down?	5 Write a letter to a pen pal describing your town.	6 Describe the colors in the sky at sunset.	7 Write a funny story about a family who is taking a road trip across America.	8 Imagine you invent a new kind of car! What does it look like?	9 When I am sad, one thing that always makes me feel better is...	10 Create a symbol that represents your family. What does it mean?
11 Describe something in your life that makes you happy.	12 What is your favorite type of music? Why?	13 If you were a tour guide for your city, where would you take visitors? Why?	14 You're in charge of a garden. What do you plant there, and how will you take care of it?	15 What do you like best about your friends?	16 My favorite way to cool down during summer is...	17 Write a funny story titled "The Day I Joined the Circus."
18 Let's go to the beach! What foods do you bring? What games will you play?	19 Pretend you have the power to create your own holiday. Explain why it would be celebrated.	20 Write a poem about the last person who smiled at you.	21 Make a checklist of the things you will do to get ready for school.	22 If I were locked in my favorite restaurant overnight, I would...	23 Create a family tree that includes drawings and descriptions of family members.	24 Pretend you are a pair of sunglasses. Write about your day in the sun.
25 Would you rather be as big as an ostrich or as small as a hummingbird?	26 Write a story about your two favorite superheroes.	27 Write a fictional story from a ladybug's point of view.	28 Once upon a time...	29 Describe how to get from your school to your home.	30 Write about a time someone gave you good advice.	31 Write about the best dream you ever had.
						

Summer Math Learning Packet

Students Entering Grade 5

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>Counting on Frank by Rod Clement A Grain of Rice by Helena Clare Pittman Sideways Arithmetic from Wayside School by Louis Sachar Divide and Ride by Stuart Murphy Lemonade for Sale by Stuart Murphy</p>	<p>www.funbrain.com www.aplusmath.com www.pbskids.org https://illuminations.nctm.org/ www.setgame.com www.multiplication.com Investigations Math Games Investigations Math Words and Ideas Math At Home- The Learning Center Math Playground Virtual Manipulatives More Virtual Manipulatives Which one does not Belong</p>

Student Accountability

The intention is that your child spends at least 10 minutes a day, 4 to 5 times a week, practicing math. Your child should aim to complete at least 200 minutes of math practice over the course of the summer. When your child has completed the math requirements, please sign and return this paper to the fifth grade teacher with his/her journal

Parent's signature

Date

Boston Public Schools Summer

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

Fourth Grade Learning Goals

*In grade four, your child uses addition, subtraction, multiplication, and division to solve word problems, including problems involving measurement of volume, mass, and time. Students continue to build their understanding of fractions—creating equal fractions, comparing the size of fractions, adding and subtracting fractions, and multiplying fractions by whole numbers. They also start to understand the relationship between fractions and decimals. Activities in these areas include:

- Adding and subtracting whole numbers up to 1 million quickly and accurately
- Solving multi-step word problems, including problems involving measurement and converting measurements from larger to smaller units
- Multiplying and dividing multi-digit numbers
- Extending understanding of fractions by comparing the size of two fractions with different numerators (top numbers) and different denominators (bottom numbers)
- Creating equal fractions ($3/4 = 3 \times 2 / 4 \times 2 = 6/8$)
- Adding and subtracting fractions with the same denominator
- Building fractions from smaller fractions ($3/8 = 1/8 + 1/8 + 1/8$)
- Connecting addition and subtraction of whole numbers to multiplying fractions by whole numbers
- Connecting addition of fractions to the concept of angle measurement
- Representing and interpreting data
- Converting fractions with denominators of 10 or 100 into decimals
- Locating decimals on a number line
- Comparing decimals and fractions using the symbols $>$ (more than), $=$ (equal to), and $<$ (less than)

Looking Ahead to Fifth Grade

*In grade five, students build their understanding of the place value system by working with decimals up to the hundredths place. Students also add, subtract, and multiply fractions, including fractions with unlike denominators. They continue to expand their geometry and measurement skills, learning the concept of volume and measuring the volume of a solid figure. Activities in these areas include:

- Quickly and accurately multiplying multi-digit whole numbers
- Dividing numbers with up to four digits by two digit numbers
- Using exponents to express powers of 10 (in 10^2 , 2 is the exponent)
- Reading, writing, and comparing decimals to the thousandths place
- Adding, subtracting, multiplying, and dividing decimals to the hundredths place
- Writing and interpreting mathematical expressions using symbols such as parentheses. For example, “add 8 and 7, then multiply by 2” can be written as $2 \times (8 + 7)$.
- Adding and subtracting fractions with unlike denominators (bottom numbers) by converting them to fractions with matching denominators
- Multiplying fractions by whole numbers and other fractions
- Dividing fractions by whole numbers and whole numbers by fractions
- Analyzing and determining relationships between numerical patterns
- Measuring volume using multiplication and addition

*Adapted from *Parent Roadmaps* by Council for Great City Schools

Boston Public Schools Summer

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

Grade 5

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 fifth grade teacher.

Each journal entry should

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

Math Tools You'll Need:

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

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

July 5th

Today I went outside to play at 9:35 am and came in at 12:05 pm. I was outside for a total of 90 minutes. This can also be written as 1 hour 30

minutes, or $1\frac{1}{2}$ hours.

Games To Play (You will need a deck of cards)

Multiplication Compare

Deal out all the cards equally between 2 or 3 players. Each player turns over 2 cards and multiplies the numbers together. The person with the higher product wins the pile of cards. If you have the same product repeat the procedure. Winner takes all the cards.

Close to 1000

Deal 8 cards to each player.

Use any 6 cards to make two 3-digit numbers.

Try to make the sum close to or exactly 1000.

For example, $148 + 853 = 1001$.

Your score is 1 because the difference between 1001 and 1000 is 1.

The lowest score after five rounds wins.

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

Boston Public Schools Summer

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

July Entering Fifth Grade Mathematics Calendar

<p style="text-align: center;">Day 1</p> <p>Make a dollar with 50 coins. What coins did you use? How many of each?</p>	<p style="text-align: center;">Day 2</p> <p>Have a scavenger hunt for real-world examples of parallel lines (ex. railroad tracks)</p>	<p style="text-align: center;">Day 3</p> <p>Visit the website www.multiplication.com Choose some activities to have fun practicing multiplication. Record choices.</p>	<p style="text-align: center;">Day 4</p> <p>Read <i>Lemonade for Sale</i> By Stuart Murphy. Make a graph, by days of the week of the number of dogs you see each day.</p>	<p style="text-align: center;">Day 5</p> <p>Play the game <i>Close to 1000</i> (see directions)</p>
<p style="text-align: center;">Day 6</p> <p>Make a set of flash cards of multiplication facts. Practice your facts with a friend.</p>	<p style="text-align: center;">Day 7</p> <p>Look at the weather in the paper across the nation. Look at the highest temperature and the lowest temperature. What is the difference between them?</p>	<p style="text-align: center;">Day 8</p> <p>Play the <i>Product Game</i> at www.illuminations.nctm.org Record the strategy that you used.</p>	<p style="text-align: center;">Day 9</p> <p>As of today, record the Wins and Losses of the Red Sox this season. Estimate the Wins and Losses at the end of the season. Explain your thinking to an adult.</p>	<p style="text-align: center;">Day 10</p> <p>Write down the names and prices of 5 cars you find in the newspaper. Order the prices from least to greatest. Round the prices to the nearest thousand.</p>
<p style="text-align: center;">Day 11</p> <p>Visit the game room at www.aplusmath.com Record what you played.</p>	<p style="text-align: center;">Day 12</p> <p>Go to the website www.setgame.com Play and enter to win a prize!</p>	<p style="text-align: center;">Day 13</p> <p>Read <i>Divide and Ride</i> by Stuart Murphy, How can 13 children be arranged on a park ride that seats 2, 3, 4, 5? How many kids are left waiting?</p>	<p style="text-align: center;">Day 14</p> <p>Play <i>Multiplication Compare</i> (see directions)</p>	<p style="text-align: center;">Day 15</p> <p>Play a strategy game. What strategy did you use? Would you use it again?</p>
<p style="text-align: center;">Day 16</p> <p>Make a paper airplane and fly it. Measure how far it goes. Try a few times. Record distances in your journal.</p>	<p style="text-align: center;">Day 17</p> <p>PLAY BASEBALL at www.funbrain.com</p>	<p style="text-align: center;">Day 18</p> <p>Find the area of your bedroom floor. What room in your house could have twice the area of your bedroom? Half the area of your room? Check.</p>	<p style="text-align: center;">Day 19</p> <p>Write down the numbers you see on 2 license plates. Create 4 math problems with these numbers.</p>	<p style="text-align: center;">Day 20</p> <p>Read <i>A Grain of Rice</i> by Helena Pittman. Calculate how many grains of rice she will receive on day 18. How many will she have altogether?</p>
<p style="text-align: center;">Day 21</p> <p>What number am I? I am > 3,449 and I am < 3,502. I have a 1 in my ones place and a zero in my tens place. Create your own number riddle.</p>	<p style="text-align: center;">Day 22</p> <p>How many 25s are in 300? How many 20s are in 4,000?</p>	<p style="text-align: center;">Day 23</p> <p>Say It costs \$2.25 to ride the T. If you ride 2 times a day for the month of July, how much would you spend?</p>	<p style="text-align: center;">Day 24</p> <p>Estimate the following in inches: your height; length of your foot; distance from your elbow to the tip of your little finger. Measure to see how close you are.</p>	<p style="text-align: center;">Day 25</p> <p>Find a graph in the newspaper or on the computer. Cut and paste it into your journal. Write 3 statements about the graph.</p>

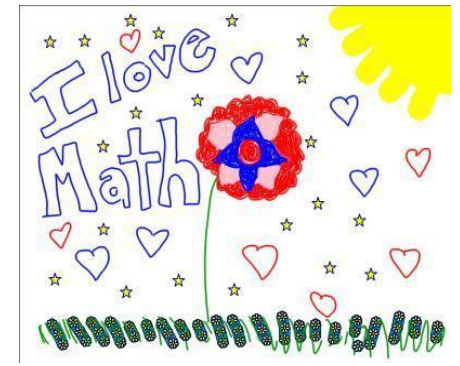
August Entering Fifth Grade Mathematics Calendar

<p>Day 1</p> <p>Play Close to 1000. (see directions)</p>	<p>Day 2</p> <p>Play Concentration at www.illuminations.nctm.org Choose: fractions, face down. Draw pictures that represent some fractions.</p>	<p>Day 3</p> <p>Vowels are worth \$50 each, consonants are worth \$40. Can you make a word worth exactly \$200? \$600?</p>	<p>Day 4</p> <p>Measure your face's height & length in inches. Estimate the fraction of your length of face compared to length of your body. Compare yours with 4 friends.</p>	<p>Day 5</p> <p>Play Fraction Game at www.illuminations.nctm.org How many moves did it take to get all the red markers to the right side? Can you beat your score?</p>
<p>Day 6</p> <p>Measure the perimeter of two different windows in your home. Find the differences of the perimeters.</p>	<p>Day 7</p> <p>Flip a coin 25 times. Make a tally chart for how many times it lands on heads or tails. Write a fraction for your head and tail data. Try it again. Were the results the same?</p>	<p>Day 8</p> <p>Write a word problem whose answer is 154. Have someone solve the problem.</p>	<p>Day 9</p> <p>List some capital letters (E, F...) that have one pair of parallel lines. Are there any that have two pair of parallel lines?</p>	<p>Day 10</p> <p>Make the largest and smallest numbers you can find using the digits 4, 1, 7, 8, and 2. Find their difference and sum.</p>
<p>Day 11</p> <p>Try a new activity at www.coolmath4kids.com Challenge yourself. What did you choose to do?</p>	<p>Day 12</p> <p>Survey 10 friends or relatives to find out their favorite outdoor activity. Graph the results.</p>	<p>Day 13</p> <p>Kate's garden is in the shape of a square with a perimeter of 32 feet. What is the area of her garden?</p>	<p>Day 14</p> <p>Play the Product Game at www.illuminations.nctm.org Record the strategy that you used.</p>	<p>Day 15</p> <p>Play a game. What strategy did you use? Would you use that strategy again?</p>
<p>Day 16</p> <p>Visit the website www.mathplayground.com and play the logic games. How did you do?</p>	<p>Day 17</p> <p>Would you rather have your height be made of a stack of nickels or quarters, lined up end to end? How much would you be worth?</p>	<p>Day 18</p> <p>Yunis' hair grows about $\frac{2}{5}$ of an inch per month. How much longer is Yunis' hair now than 3 months ago?</p>	<p>Day 19</p> <p>Show 4 different ways to make \$1.56 using coins and/or bills.</p>	<p>Day 20</p> <p>YOU DID IT! Please bring your journal to your fifth grade teacher on the first day of school!</p>

Paquete de Aprendizaje de Matemáticas para el Verano

Estudiantes entrando al Grado 5

¡Descubre las matemáticas a tu alrededor este verano! Al igual que con la lectura, la práctica regular durante el verano con la resolución de problemas, computación y las operaciones matemáticas se mantienen y fortalecen los logros matemáticos que has realizado durante el año escolar.



Adjunto a esta carta, encontrarás actividades de matemáticas creativas para explorar en casa. El objetivo es que tú te diviertas pensando y trabajando en colaboración para comunicar ideas matemáticas. Mientras estás trabajando, pregunta cómo se encontró la solución y por qué se eligió una estrategia particular.

El Paquete de Aprendizaje de Matemáticas para el Verano consta de 2 páginas de calendario, uno para julio y otro para agosto, así como las instrucciones para los juegos matemáticos que se jugarán en casa. También se recomienda literatura y sitios de internet para explorar las matemáticas de nuevas maneras. Te animamos a completar por lo menos 15 días de matemáticas cada mes. Lleva un registro de tus matemáticas en un diario.

Libros de matemáticas divertidos para leer	Sitios Web divertidos para explorar
<p><u>Counting on Frank</u> por Rod Clement <u>A Grain of Rice</u> por Helena Clare Pittman <u>Sideways Arithmetic from Wayside School</u> por Louis Sachar <u>Divide and Ride</u> por Stuart Murphy <u>Lemonade for Sale</u> por Stuart Murphy</p>	<p>www.funbrain.com www.aplusmath.com www.pbskids.org https://illuminations.nctm.org/ www.setgame.com www.multiplication.com Investigations Math Games Investigations Math Words and Ideas Math At Home- The Learning Center Math Playground Virtual Manipulatives More Virtual Manipulatives Which one does not Belong</p>

Responsabilidad del Estudiante

La intención es que su hijo pase por lo menos 10 minutos al día, de 4 a 5 veces a la semana, practicando las matemáticas. Su hijo debe aspirar a completar por lo menos 200 minutos de práctica de matemáticas en el transcurso del verano. Cuando su hijo haya completado los requisitos de matemáticas, por favor firme y devuelva este papel a la maestra de sexto grado con su diario.

Firma del Padre/Madre

Fecha

Objetivos de aprendizaje de cuarto grado

*En cuarto grado, el estudiante usará la suma, la resta, la multiplicación, y la división para resolver problemas narrados, incluyendo medición de volumen, peso, y tiempo. El estudiante continuará profundizando sus conocimientos de las fracciones mediante la formulación de fracciones equivalentes, comparación del tamaño relativo de fracciones, la suma y resta de fracciones, y la multiplicación de fracciones por números enteros. El estudiante también empieza a comprender la relación que existe entre las fracciones y los decimales. Las actividades relacionadas con estos conocimientos incluirán:

- Sumar y restar números enteros hasta 1 millón con rapidez y precisión
- Resolver problemas narrados de varios pasos, incluyendo problemas de medición que requieran la conversión de medidas a unidades más pequeñas
- Multiplicar y dividir números de varios dígitos
- Ampliar sus conocimientos sobre las fracciones al comparar el tamaño relativo de dos fracciones con numeradores (número de arriba) distintos y denominadores distintos
- Crear fracciones equivalentes ($\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$)
- Sumar y restar fracciones con el mismo denominador (número de abajo)
- Crear fracciones usando fracciones más pequeñas ($\frac{3}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$)
- Hacer conexiones entre la suma y resta de números enteros con la multiplicación de fracciones por números enteros
- Hacer conexiones entre la suma de fracciones con el concepto de medida de ángulos
- Representar e interpretar datos
- Convertir a número decimal fracciones cuyo denominador es igual a 10 o 100
- Ubicar números decimales en una recta numérica
- Comparar números decimales y fracciones usando los símbolos $>$ (mayor que), $=$ (igual a), y $<$ (menor que).

Quinto Grado

*En quinto grado, el estudiante profundizará su conocimiento sobre el valor posicional trabajando con decimales hasta la posición de las centésimas. Además, el estudiante sumará, restará, y multiplicará fracciones con denominadores diferentes. El estudiante seguirá ampliando su conocimiento de geometría y medidas, aprendiendo el concepto de volumen y a calcular el volumen de un sólido. Las actividades relacionadas con estos conocimientos incluirán:

- Multiplicar números enteros de varios dígitos con rapidez y precisión
- Dividir números de hasta cuatro dígitos por números de dos dígitos
- Usar exponentes para expresar la potencia de 10 (en 10^2 , 2 es el exponente)
- Leer, escribir, y comparar decimales hasta la posición de las centésimas
- Sumar, restar, multiplicar, y dividir decimales hasta la posición de las centésimas
- Escribir e interpretar expresiones matemáticas con símbolos tales como los paréntesis (por ejemplo, “suma 8 más 7 y multiplica por 2” puede escribirse $2 \times (8 + 7)$).
- Sumar y restar fracciones con denominador distinto haciendo uso de la conversión a fracciones equivalentes con el mismo denominador
- Multiplicar fracciones por números enteros y por otras fracciones
- Dividir fracciones por números enteros y números enteros por fracciones
- Analizar y identificar relaciones en patrones numéricos • Calcular volúmenes usando la suma y la multiplicación

*Adaptado de Parent Roadmaps by Council of the Great City Schools

Grado 5

Ideas de Matemáticas para el Verano

INSTRUCCIONES: ¡Haz tu mejor esfuerzo para completar el mayor número de estas actividades de matemáticas de verano que puedas! Registra tu trabajo en el diario de matemáticas todos los días. En septiembre, comparte tu Diario de Matemáticas con tu maestra de quinto grado.

Cada entrada en el diario debe:

- Contar con la fecha de la entrada
- Tener una respuesta clara y completa
- Ser ordenada y organizada

Herramientas Matemáticas que necesitarás

- Cuaderno para el diario de matemáticas
- Lápiz
- Tiza
- Barajas
- Monedas
- Dados

Aquí hay un ejemplo de una "Gran" entrada para el diario:

5 de julio:

Hoy salía la calle de jugar a las 9:35 de la mañana y regresé a las 10:05 pm. Yo estuve afuera un total de 90 minutos. Esto también se

puede escribir como 1 hora 30 minutos ó $1\frac{1}{2}$ horas.

Juegos para jugar (Necesitarás una barajas)

Multiplication Compare (Multiplicación de Comparación)

Divide las cartas de la baraja igualmente entre 2 ó 3 jugadores. Cada jugador voltea 2 cartas y multiplica todos los números. La persona con el producto más alto gana el montón de cartas en la pila. Si tienen el mismo producto se repite el procedimiento. El ganador se lleva todas las cartas de la baraja.

Close to 1000 (Cerca de 1000)

Reparte 8 cartas a cada jugador.

Utiliza cualquier 6 cartas para hacer dos números de 3 dígitos.

Trata de hacer la suma lo más cerca o exactamente a 1000.

Por ejemplo, $148 + 853 = 1001$.

Tu puntuación es 1 porque la diferencia entre 1001 y 1000 es de 1.

La puntuación más baja después de cinco rondas gana.

Otros juegos para jugar: Checkers, Othello, Memory, Set, jigsaw puzzles, Parcheesi, Crazy Eights, Connect Four, Legos, etc.

Julio Calendario de Matemáticas

Dia 1	Dia 2	Dia 3	Dia 4	Dia 5
Muestra 4 maneras distintas de sumar \$1.56 utilizando monedas y/o billetes	Haz un dólar con 50 monedas. ¿Qué monedas utilizaste? ¿Cuántas de cada una?	Haz un scavenger hunt de verdaderos ejemplos de paralelos (Ejemplo: vías del tren)	Visita la página de internet: www.multiplication.com Elige algunas actividades para divertirte practicando multiplicaciones. Documenta tus resultados.	Lee Lemonade for Sale de Stuart Murphy. Haz una gráfica, en días de la semana, del número de perros que ves cada día.
Dia 6	Dia 7	Dia 8	Dia 9	Dia 10
Juega a Close to 1000 (lee las instrucciones)	Crea un juego de flash cards de factores de multiplicación. Practica tus factores con un amigo.	Observa el clima en el diario para todo el país. Observa las temperaturas más elevadas y las más bajas. ¿Cuál es la diferencia entre ellas?	Juega el Product Game en www.illuminations.nctm.org Documenta la estrategia que utilizaste.	Desde hoy, registra los triunfos y derrotas de los Red Sox en esta temporada. Calcula los triunfos y derrotas al final de la temporada. Explica tu razonamiento a un adulto.
Dia 11	Dia 12	Dia 13	Dia 14	Dia 15
Escribe los nombres y precios de 5 automóviles que veas en el diario. Ordena los precios desde el más barato al más caro. Redondea los precios a la cifra de mil más cercana.	Visita la página de juegos de www.aplusmath.com Documenta el juego que jugaste.	Ve a la página de internet www.setgame.com ¡Juega y participa para ganar un premio!	Lee Divide and Ride de Stuart Murphy. ¿Cómo pueden 13 niños ser acomodados en un juego del parque que sienta a 2, 3, 4, 5? ¿Cuántos niños tendrán que esperar?	Juega Multiplication Compare (lee las instrucciones)
Dia 16	Dia 17	Dia 18	Dia 19	Dia 20
Juega un juego de estrategia. ¿Qué estrategia utilizaste? ¿La emplearías otra vez?	Haz un avión de papel y Lánzalo al aire. Mide hasta cuán lejos puede volar. Inténtalo varias veces. Documenta las distancias en tu diario.	JUEGA BÉISBOL en www.funbrain.com	Encuentra el área del piso de tu habitación. ¿Qué otra habitación de tu casa podría tener el doble del área de tu habitación? ¿La mitad de tu habitación? Averígualo.	Escribe los números que ves en dos placas de autos. Crea 4 problemas matemáticos con estos números.
Dia 21	Dia 22	Dia 23	Dia 24	Dia 25
Lee A Grain of Rice de Helena Pittman. Calcula cuántos granos de arroz recibirá ella el día 18. ¿Cuántos tendrá en total?	¿Qué número soy? Soy > 3,449 y soy < 3,502. Tengo un 1 en mis unidades y un 0 en mis decenas. Crea tu propia adivinanza numérica.	¿Cuántos 25 hay en 300? ¿Cuántos 20 hay en 4,000?	Cuesta \$1.70 viajar en el Tren. Si viajas 2 veces por día durante el mes de julio, ¿cuánto gastarías?	Calcula lo siguiente en pulgadas: tu altura; largo de tu pie; distancia desde tu hombro hasta la punta de tu dedo meñique. Mide cuán cerca estás de tu cálculo.

Agosto Calendario de Matemáticas

Dia 1	Dia 2	Dia 3	Dia 4	Dia 5
Encuentra una gráfica en el periódico o en la computadora. Recórtalo y pégalo a tu propio diario. Escribe tres cosas acerca de la gráfica.	Juega C lose to 1000. (lee las instrucciones)	Juega Concentration en www.illuminations.nctm.org Elige: fractions, face down . Haz dibujos que representen algunas fracciones.	Las vocales tienen un valor de \$50 cada una. Las consonantes valen \$40. ¿Puedes escribir una palabra que valga exactamente \$200? ¿\$600?	Mide lo alto y ancho de tu rostro en pulgadas. Calcula la fracción del largo de tu cara comparada con el de tu cuerpo. Compáralos con 4 amigos.
Dia 6	Dia 7	Dia 8	Dia 9	Dia 10
Juega Fraction Game en www.illuminations.nctm.org ¿Cuántos movimientos omó para conseguir los diez marcadores rojos a la derecha? ¿Puedes superar tu resultado?	Mide el perímetro de dos diferentes ventanas en tu casa. Encuentra las diferencias entre los perímetros.	Arroja una moneda al aire 25 veces. Haz un cuadro con las veces que cae de cara o cruz. Escribe una fracción de tu información. Inténtalo de nuevo. ¿Fueron los resultados los mismos?	Escribe un problema en palabras cuya respuesta sea 154. Haz que alguien resuelva el problema.	Enumera algunas mayúsculas (E, F...) que tengan un par de líneas paralelas. ¿Hay algunos que tengan dos pares de paralelas?
Dia 11	Dia 12	Dia 13	Dia 14	Dia 15
Haz el número más largo y el más chico que puedas encontrar usando los dígitos 4, 1, 7, 8 y 2. Encuentra su diferencia y suma.	Intenta una nueva actividad en www.coolmath4kids.com Desafiate a ti mismo. ¿Qué elegiste hacer?	Encuesta a 10 amigos o familiares para descubrir su actividad favorita al aire libre. Haz una gráfica de los resultados.	El jardín de Kate tiene la forma de un cuadrado con un perímetro de 32 pies. ¿Cuál es el área de su jardín?	Juega Product Game en www.illuminations.nctm.org Documenta la estrategia que utilizaste.
Dia 16	Dia 17	Dia 18	Dia 19	Dia 20
Juega un juego. ¿Qué estrategia utilizaste? ¿Emplearías la misma estrategia otra vez?	Visita a la página de internet www.mathplayground.com y juega los juegos de lógica. ¿Cómo te fue?	¿Te gustaría medir tu altura con un montón de nickels o quarters, alineados de punta a punta? ¿Cuál crees que sea tu valor?	Halla una página de papel. Plega el papel en el medio hasta no puedes plega casi más. ¿Cuántas veces le plega?	¡LO LOGRASTE! Por favor entrega tu diario a tu maestro de quinto grado el primer día de clases