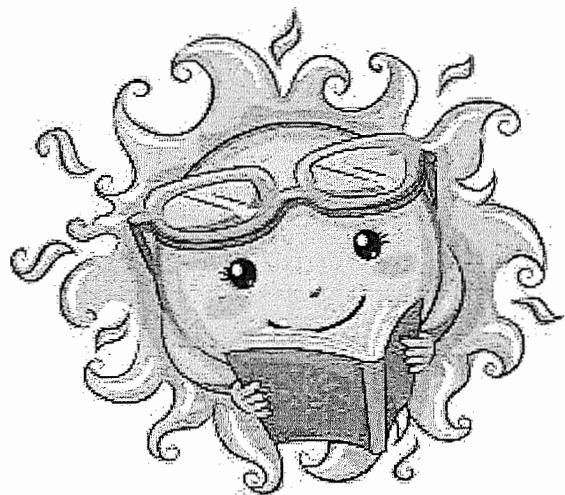


Entering Grade 6

ingresando al grado 6

Summer Learning Packet

paquete de aprendizaje de verano



Sumner School

Name/Nombre: _____

Summer Reading Together

- This summer, all **6th graders** will read
Sal and Gabi Break the Universe by Carlos Hernandez
- 7th graders** will read
March by John Lewis
- 8th graders** will read
Science of Breakable Things by Tae Kelle

Fiction

- Amina's Voice*..... Khan
Ancestor Approved ed. by Smith
The Best At It Pancholy
Black Boy Joy ed. by Mbalia
As Brave As You Reynolds
The Chance to Fly Stoker
Click'd Stone
Epic Fail of Arturo Zamora Cartaya
Fast Pitch Stone
Finding Junie Kim Oh
From the Desk of Zoe Washington Marks
Genesis Begins Again Williams
I Can Make This Promise Day
King and the Dragonflies Callender
The Last Last-Day-of-Summer Giles
Lupe Wong Won't Dance Higuera
Maizy Chen's Last Chance Yee
The Many Meanings of Meilan Wang
The Only Black Girls in Town Colbert
Operation Sisterhood Rhuday-Perkovich
Other Words for Home Warga
Playing the Cards You're Dealt Johnson
The Season of Styx Malone Magoon
Stand Up, Yumi Chung Kim
Starfish Fipps
Take Back the Block Giles
Thanks A Lot, Universe Lucas
Too Bright to See Lukoff
Yusuf Azeem Is Not A Hero Faruqi

Science Fiction & Fantasy

- Amari and the Night Brothers*..... Allston
Amira & Hamza: The War to Save the Worlds..... Ahmed
The Insiders Oshiro
The Last Cuentista Higuera
Paola Santiago and the River of Tears Mejia
The Serpent's Secret DasGupta
Tristan Strong Punches a Hole in the Sky (series) Mbalia

Mystery

- City Spies (series)*..... Ponti
Goldie Vance: The Hotel Whodunit Rivera
The Parker Inheritance Johnson
Pepper's Rules for Secret Sleuthing McDonald
A Soft Place to Land Marks

Legends, Myths, and Poetry

- Across the Rainbow Bridge:*
 Stories of Norse Gods and Humans Crossley-Holland
Cool Salsa: Bilingual Poems on Growing Up Latino in the United States ed. by Carlson
Dictionary for a Better World:
 Poems, Quotes, and Anecdotes Latham & Waters
Dreams From Many Rivers: A Hispanic History of the United States Told in Poems Engle
Legacy: Women Poets of the Harlem Renaissance Grimes
Percy Jackson's Greek Heroes Riordan
The Sea-Ringed World: Sacred Stories of the Americas García Esperón
We Rise. We Resist. We Raise Our Voices... Hudson & Hudson
Woke: A Young Poet's Call to Justice Browne

Informational Books

- All Thirteen: The Incredible Cave Rescue of the Thai Boys' Soccer Team* Soontornvat
Courage Has No Color: The True Story of the Triple Nickels, America's First Black Paratroopers Stone
Destination Moon: The Remarkable and Improbable Voyage of Apollo 11 Maurer
Fallout: Spies, Superbombs, and the Ultimate Cold War Showdown Sheinkin
How to Change Everything (the Young Humans' Guide) Klein
Science Comics series various authors
Trapped: How the World Rescued 33 Miners from 2,000 Feet Below in the Chilean Desert Aronson
Women Artists A to Z Labarge

Historical Fiction

- The Blackbird Girls*..... Blankman
Echo Ryan
Echo Mountain Wolk
It Ain't So Awful, Falafel Dumas
Lifeboat 12 Hood
Mighty Inside Frazier
The Night Diary Hiranandani
Northwind Paulsen
Red, White, and Whole LaRocca
Show Me a Sign LeZotte
Spy Runner Yelchin
Talking Leaves Bruchac
The Unsung Hero of Birdsong, USA Woods
We Dream of Space Kelly

Graphic Novels

- Borders* King
The Legend of Auntie Po Yin Khor
Measuring Up LaMotte
Miles Morales Shock Waves Reynolds
New Kid and Class Act Craft
Rabbit Chase LaPensée
Swim Team Christmas

Biography & Autobiography

- African Icons: Ten People Who Shaped History* Baptiste
Bee Fearless: Dream Like A Kid Ulmer
Brave. Black. First: 50+ African American Women Who Changed the World Hudson
Defiant: Growing Up in the Jim Crow South Hudson
Life in Motion: An Unlikely Ballerina (Young Reader's Edition) Copeland
March Forward, Girl: From Young Warrier to Little Rock Nine Beals
Maya Lin: Thinking with Her Hands Rubin
Nuestra América: 30 Inspiring Latinas/Latinos.... Vourvoulias
Ordinary Hazards Grimes
Reach for the Skai: How to Inspire, Empower, and Clapback Jackson
Someone Like Me: How One Undocumented Girl Fought for her American Dream Arce
Speak Up, Speak Out!: The Extraordinary Life of "Fighting Shirley Chisholm" Bolden
This Promise of Change Boyce

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

Fairy Tales, Folktales, & 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 Grl (series)..... Montijo
Midnight War of Mateo Martinez..... Yardi
Mulan: Before the Sword..... Lin
Pip's Guide to Magical Creatures..... Pearce & Steivater
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 Undefeated 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.

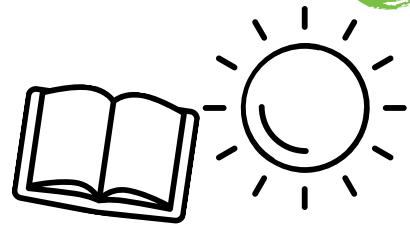
LEXIA  CORE 5 READING	Lexia Actividades adaptativas alineadas con las habilidades y necesidades de lectura de su estudiante
	Epic Acceso a una amplia variedad de libros digitales, libros de texto y audio incluidos
	RAZ-Kids Acceso a libros y actividades con un programa opcional de incentivos basado en 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

TEEN BINGO



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

Read a book centering a disabled character

Spend a few minutes journaling

Read a book you loved as a child

Put together a puzzle

Read outside for 30 minutes

Spend some time coloring or drawing

Read a sci-fi or fantasy book

Bake a treat with someone

Read a book that doesn't take place in the U.S.

Attend a STEAM-related library program

Read a book with a cover you like

Listen to a song you've never heard



Read a book involving a sport

Complete an "Hour of Code" activity on code.org

Read a graphic novel or manga

Browse a random article on Wikipedia

Read a book that a loved one recommends

Go on a nature walk at one of Boston's parks

Read a book published in the past 5 years

Walk somewhere close by that you've never visited

Read any work of nonfiction

Play a board game with a friend or family member

Read a book that was made into a movie or TV show

Try a new food or drink



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

2023 Read Your Way to Fenway Entry Form



Rules

- For children and teens ages 5 to 17
- Read at least 3 books and write a brief essay about your favorite one
- One entry per person at one branch only
- Multiple entries will disqualify the entrant
- The essay must be original work, not plagiarized or recycled from a prior year
- Each winner must be accompanied to the game by one parent or guardian
- Tickets are only valid for August 6, 2023

Important Dates

- Contest starts: June 23
- Essays due to a Boston Public Library location: July 14
- Winners notified by July 31
- Game day: Sunday, August 6, Boston Red Sox vs. Toronto Blue Jays at Fenway Park

Applicant Information

Full Name _____ Email _____

Age _____ BPL Location _____

How many times you have been a RYWTF winner and attended a RYWTF Boston Red Sox game? _____

Parent or Guardian Information Please circle preferred way to be contacted (i.e., home, cell, or email).

Full Name _____

Home Phone Number _____ Cell Phone Number _____

Do you have a smartphone to use electronic tickets? YES NO

Email _____

Street _____ Apt. # _____

City _____ State _____ Zip _____

Books I've read this summer:

Title	Author
1.	
2.	
3.	

Instructions: Read a minimum of three (3) books and write a brief essay about your favorite one.

Write a brief description of the book. Who are the characters, what happens in the story, and what did you like about it? Attach additional pages as needed. Write your full name on each page submitted.

Formulario de Inscripción 2023

Leyendo en Camino a Fenway



Reglas

- Para niños y jóvenes de 5 a 17 años.
- Leer por lo menos 3 libros y escribir un ensayo corto acerca de su favorito.
- Una participación por persona en cada biblioteca.
- Más de una participación por parte de un mismo participante lo descalificaría.
- El ensayo debe ser una obra original, no plagiado o reciclado de un año anterior.
- Cada ganador deberá estar acompañado por uno de sus padres o un tutor.
- Los boletos solo son válidos para el juego del 6 de agosto de 2023

Fechas importantes

- Comienzo del concurso: 23 de junio de 2023
- El ensayo deberá entregarse en la biblioteca pública de Boston antes del: 14 de julio de 2023
- Notificación de los ganadores: 31 de julio de 2023
- Día del juego: Domingo, 6 de agosto de 2023 - Boston Red Sox contra Toronto Blue Jays en Fenway Park

Información del solicitante

Niño/adolescente: Nombre completo _____ Edad _____

Correo electrónico o número de teléfono _____

Información de padres/tutores. Por favor marque la manera en que desea se le contacte (i.e. teléfono de casa, teléfono celular o correo electrónico).

Nombre completo _____

Número de teléfono de casa _____ Número de teléfono celular _____

Correo electrónico _____

¿Cuentas con un teléfono inteligente para recibir boletos electrónicos? SÍ NO

Calle _____ Apto. # _____

Ciudad _____ Estado _____ Código postal _____

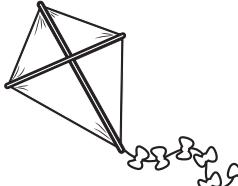
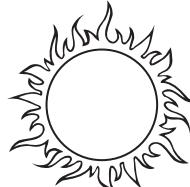
Libros que leí este verano:

Título	Autor
1.	
2.	
3.	

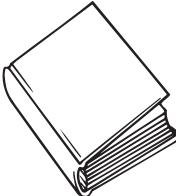
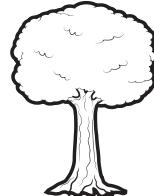
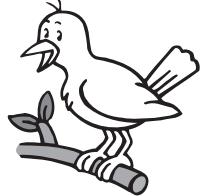
Instrucciones: Lee un mínimo de tres (3) libros y escribe un breve ensayo acerca de tu favorito.

Escribe una breve descripción del libro. ¿Cuáles son los personajes?, ¿Qué pasa en la historia?, ¿Qué te gustó del libro? Adjunta páginas adicionales de ser necesario. Escribe tu nombre completo en cada página que presentes.

July Writing Prompts

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						Today is the 1 halfway point of the year! What was your favorite day of 2023 so far? What happened?
Write a funny story about a dog that sits at the dinner table for meals.	This summer, I am going to learn how to...	Explain what the 4th of July means to you.	If I could invent a new flavor of ice cream, it would be...	If you could have any animal for a pet, what would it be and why?	Name one thing you like about yourself. Why do you like it?	You're going on a road trip! What do you bring?
Design your own treehouse. What will it look like, and what will you put in it?	This summer, I hope I am lucky enough to...	You've just won the talent show! What did you do to win?	If you were a teacher, which subject would you teach?	Write about your favorite outdoor summer activity.	If cats could talk, they would say...	Describe the best meal you've ever eaten.
Which would you rather be—super-strong or super-fast? Why?	Design your perfect birthday party.	Describe something you're really good at.	The three things I appreciate most about my family are...	If I had wings like a hummingbird, I would fly to...	Imagine you have a pet monkey! What do you do with it?	You find shoes that turn you into a giant! What will you do?
How do you feel about surprises?	Imagine you're an animal at the zoo. Write about the day you escape!	Write a different ending to your favorite book.	What is something you do that makes people laugh?	Someone who can always make me laugh when I'm sad is _____ because...	Write a poem about a sunny day.	Explain how to fly a kite to someone who has never done it before.
If you could go anywhere in the world, where would you go?	I laughed so hard when...					

August Writing Prompts

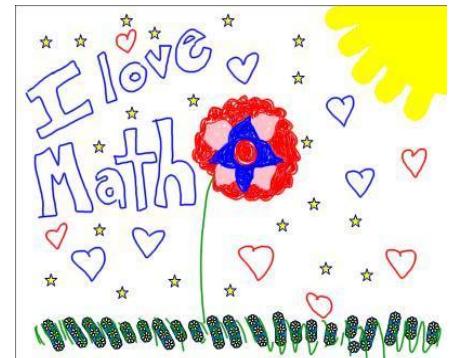
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 If you were a crayon, what color would you be? Why?	2 What is your favorite physical activity? Why?	3 Imagine running into someone famous. Write out your conversation.	4 Imagine going for a ride in a hot air balloon. What do you see as you 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. Whom or what would you celebrate?
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 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
<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 & Wilbert Reimer	www.funbrain.com www.aplusmath.com www.pbskids.org https://illuminations.nctm.org/ www.setgame.com www.multiplication.com http://mathforum.org/index.html Virtual Manipulatives More Virtual Manipulatives Which one does not Belong https://solveme.edc.org/Mobiles.html

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

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

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 23rd

Today's number is 144.

$$12 \times 12 = 24 \times 6 = 48 \times 3$$

1

$$1440 \div 10 = 12 \div \underline{12}$$

$$143 + 1 = 121 + 23$$

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

July 2023 Entering Sixth Grade Mathematics Calendar

Day 1 What is the perimeter of your room measured in feet and inches? in meters and cm?	Day 2 Square the following numbers: 8, 10, 6, 7, 9, 11	Day 3 Fireworks can go up 1000 feet in around 3 seconds. What's its average vertical speed in feet per second and miles per hour?	Day 4 Find the sum of the digits of your phone number. What numbers is it divisible by?	Day 5 Six friends have 4 sandwiches to share. What fraction of a sandwich will each person get?
Day 6 Express the number 50 in at least 25 different ways. Use all 4 operations and include fractions and decimals.	Day 7 How many 25s are in 300? How many 20s are in 4,000?	Day 8 Try a new activity at http://www.coolmath4kids.com Challenge yourself. What did you chose to do?	Day 9 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?	Day 10 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?
Day 11 Choose a favorite professional athlete and research their annual salary. How much do they earn in a month? A day?	Day 12 Read a book from the suggested " Great Math books to Read " What new vocabulary did you use?	Day 13 Measure and record the heights of each member of your family in inches. What is the difference between the tallest and the shortest persons?	Day 14 A California Condor has a 114 in. wingspan. How many feet is that?	Day 15 I am an even, 3 digit palindrome. (ex: 464) The product of the digits is 8. What number am I?
Day 16 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.	Day 17 Try " Beatcalc " at http://mathforum.org/index.htm !	Day 18 Plan a meal for your family. With an adult, make a list of the ingredients, go shopping, and then follow the recipe.	Day 19 Try the Weigh the Wangdoodles at http://mathplayground.com/	Day 20 Today's number is 144 Make 144 by: -Multiplying two numbers -Dividing two numbers -Adding odd numbers
Day 21 A farm has cows and ducks. There are 78 feet and 27 heads. How many of each animal are there? How do you know?	Day 22 Cut a string 1 meter long. Identify and record 10 items that are this length.	Day 23 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?	Day 24 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?	Day 25 Choose a geometry activity at Math Illuminations http://illuminations.nctm.org/ActivitySearch.aspx

Boston Public Schools Summer 2023

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

August 2023 Entering Sixth Grade Mathematics Calendar

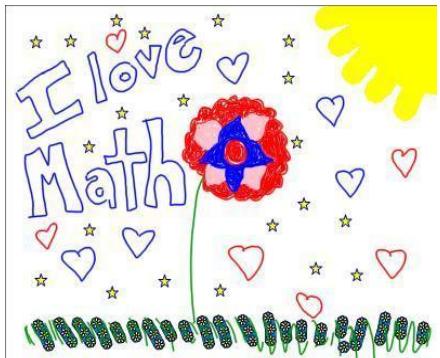
Day 1 Is a 3 gallon pitcher large enough to hold 25 pints of juice? Explain.	Day 2 Play Sudoku from the newspaper. How did logic help you to solve the puzzle?	Day 3 How many blades of grass are in one square yard of your backyard? Use logic, measurement, and problem solving strategies to find the answer.	Day 4 Read a book from the suggested " Great Math Books to Read " What new math did you discover?	Day 5 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?
Day 6 Read <u>Guinness Book of Records</u> by Time Inc. What record surprised you the most? Why?	Day 7 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?	Day 8 How many minutes in 1 hour? How many seconds in 1 hour? How many minutes in 1 day? How many seconds in 1 day?	Day 9 Jen is 12. Amy is 13. In 25 years, what will be the product of their ages?	Day 10 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?
Day 11 Try a new activity at www.coolmath4kids.com Challenge yourself. What did you choose to do?	Day 12 Survey 10 friends or relatives to find out their favorite outdoor activity. Graph the results.	Day 13 Kate's garden is in the shape of a square with a perimeter of 32 feet. What is the area of her garden?	Day 14 Play the Product Game at www.illuminations.nctm.org Record the strategy that you used.	Day 15 Play a game. What strategy did you use? Would you use that strategy again?
Day 16 If you save two cents everyday in the month of July, how much money will you have saved at the end of the month?	Day 17 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?	Day 18 The largest prime number less than 30 is _____?	Day 19 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.	Day 20 YOU DID IT! Please bring your journal to your sixth grade teacher on the first day of school!

Paquete de Aprendizaje de Matemáticas para el Verano

Estudiantes entrando al Grado 6

¡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
<u>A Gebra Named Al</u> por Windy Isdell <u>Math Curse</u> por Jon Scieszka <u>Chasing Vermeer</u> por BlueBalliett <u>Counting on Frank</u> por Rod Clement <u>Guinness Book of Records</u> por Time Inc <u>Mathematicians are People Too</u> por Luetta Reimer & Wilbert Reimer	www.funbrain.com www.aplusmath.com www.pbskids.org https://illuminations.nctm.org/ www.setgame.com www.multiplication.com www.kids.gov/ http://mathforum.org/index.htmlInvestigations Math Games Virtual Manipulatives More Virtual Manipulatives Which one does not Belong Solve Me Mobiles

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

Objectivos de aprendizaje de 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

Sexto Grado

En sexto grado, el estudiante aprenderá los conceptos de razones y proporciones y los usará para resolver problemas narrados. Los estudiantes mejorarán su velocidad y precisión para dividir números enteros de varios dígitos así como para sumar, restar, multiplicar y dividir números decimales de varios dígitos. El estudiante continuará su trabajo con fracciones y decimales para comprender el concepto de número racional—un número que se puede representar por la división de dos enteros, como $\frac{1}{2}$, 0.75, o 2. El estudiante también aprenderá a escribir y resolver ecuaciones—expresiones matemáticas que usan símbolos como $20+x = 35$ —y aplicará estas herramientas para resolver problemas narrados de varios pasos. Las actividades relacionadas con estos conocimientos incluirán:

- Entender y aplicar los conceptos de razón y proporción y usar el lenguaje correcto para expresarlos—por ejemplo, la razón de alas a picos en una bandada de pájaros es 2 a 1 porque hay 2 alas por cada pico
- Ampliar su uso de la multiplicación y la división para dividir fracciones entre fracciones
- Entender que los números positivos y negativos están en lados opuestos del cero en la recta numérica • Usar pares de números (incluso negativos) como coordenadas para localizar puntos en un diagrama
- Escribir y evaluar expresiones con exponentes enteros, como $15+3^2$
- Reconocer y escribir expresiones matemáticas equivalentes aplicando las propiedades de las operaciones. Por ejemplo, reconocer que $2(3+x)$ es lo mismo que $6+2x$
- Comprender que resolver una ecuación como $2+x = 12$ significa responder a la pregunta “¿qué valor debe tener x para que esta expresión sea cierta?”
- Representar y analizar las relaciones entre variables dependientes e independientes
- Resolver problemas de área y volumen

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

Grado 6

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:

23 de julio

El número de hoy es 144.

$$12 \times 12 = 24 \times 6 = 48 \times 3$$

1

$$1440 \div 10 = 12 \div \underline{12}$$

$$143 + 1 = 121 + 23$$

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

Julio 2023 – Calendario de Matemáticas

Dia 1	Dia 2	Dia 3	Dia 4	Dia 5
Escribe estos números al cuadrado: 8, 10, 6, 7, 9, 11	¿Cuál es el perímetro de tu cuarto medido en pies y pulgadas? ¿Qué tal en metros y centímetros	Encuentra la suma de los dígitos de tu número de teléfono. ¿Por cuál número es divisible?	Seis amigos tienen 4 emparedados para compartir. ¿Qué fracción de emparedado recibirá cada persona?	Expresa el número 50 en por lo menos 25 maneras. Usa las 4 operaciones e incluye fracciones y decimales.
Dia 6	Dia 7	Dia 8	Dia 9	Dia 10
¿Cuántos 25 hay en 300? ¿Cuántos 20 hay en 4,000?	Trata una nueva actividad en http://www.coolmath4kids.com Desafiate a ti mismo. ¿Qué elegiste hacer?	Predice el número de veces que un dado caerá cuando lances un dado 50 veces. Lanza el dado y documenta los resultados, ¿Son iguales a los de tu predicción? ¿Por qué?	Cuenta el chirrido de un grillo por 15 segundos. Añádele 39. Esto te dará a temperatura de afuera en grados Fahrenheit. Pruébalo en 3 días diferentes. ¿Funciona?	Escoge a un atleta profesional favorito y averigua su salario anual. ¿Cuánto gana él/ella en un mes? ¿En un día?
Dia 11	Dia 12	Dia 13	Dia 14	Dia 15
Lee un libro de los sugeridos "Great Math books to Read" ¿Qué vocabulario nuevo usaste?	Mide y documenta cuán alto es cada miembro de tu familia en pulgadas. ¿Cuál es la diferencia entre la persona más alta y la más baja?	Un cóndor de California tiene una envergadura (wingspan) de 114 pulgadas. ¿Cuántos pies es eso?	Soy un palíndromo par de 3 dígitos. (ex: 464) El producto de los dígitos es 8 ¿Qué número soy yo?	Documenta la hora que te vas a la cama y la hora que te levantas por una semana. Averigua el total de horas y minutos. Encuentra la media, la mediana y el rango.
Dia 16	Dia 17	Dia 18	Dia 19	Dia 20
Trata "Beatcalc" en http://mathforum.org/index.html	Planea una cena para tu familia. Con un adulto, has una lista de los ingredientes, ve de compras y luego sigue la receta.	Trata el Weigh the Wangdoodles en http://mathplayground.com/	El número de hoy es 144 Has 144 al: -multiplicar 2 números -dividir 2 números -sumar números impares	Una granja tiene vacas y patos. Hay en total 28 patas y 27 cabezas. ¿Cuántos de cada animal hay? ¿Cómo lo sabes?
Dia 21	Dia 22	Dia 23	Dia 24	Dia 25
Corta una cuerda de 1 metro de largo. Identifica y documenta 10 artículos que tengan este largo.	Estoy pensando en un número impar. Los dígitos en mi número son 4, 3, 2, 6. El lugar de mis centenas es menor que el lugar de mis millares y menor que el lugar de mis decenas. ¿Qué número soy?	Haz un dólar con 50 monedas. ¿Qué monedas usaste? ¿Cuántas de cada una?	Escoge una actividad geométrica en Math Illuminations http://illuminations.nctm.org/activitysearch.aspx	¿Es una jarra de 3 galones suficientemente grande para poner 25 pintas de jugo? Explica.

Agosto 2023 – Calendario de Matemáticas

Dia 1 Juega Sudoku del periódico ¿Cómo te ayudó la lógica a resolver el rompecabezas?	Dia 2 ¿Cuántas briznas (blades) de hierba se encuentran en un metro cuadrado de tu patio? Usa la lógica, la medición y estrategias de resolución de problemas para encontrar la respuesta.	Dia 3 Lee un libro de los sugeridos “ Great Math Books to Read” ¿Qué matemática nueva descubriste?	Dia 4 Si 210 niños y 45 adultos van de excursión, ¿cuántos autobuses necesitan? Cada autobús tiene capacidad para 50 personas. ¿Cuántos asientos vacíos van a tener?	Dia 5 Diseña un recipiente para palomitas de maíz con un pedazo de papel. ¿Qué cantidad de palomitas cabrán en tu recipiente?
Dia 6 Haz un avión de papel y échalo a volar varias veces. Encuentra el promedio de distancia que tu avión puede volar.	Dia 7 Visita el sitio de internet Figure this y busca un reto matemático de la vida real. Http://www.figurethis.org/index.html	Dia 8 Juega juegos como Chess o Monopoly .	Dia 9 Si gastas \$100.00 al día. ¿Cuántos días te tomará gastar un millón de dólares? ¿Cuántos años son? ¿Qué comprarias?	Dia 10 Lee Guinness Book of Records de Time Inc. ¿Qué récords te sorprendieron más? ¿Por qué?
Dia 11 Yo soy un número menor que 50. Cuando me dividen por 5, sobran 4. ¿Quién soy yo? ¿Hay más de una respuesta correcta?	Dia 12 ¿Cuántos minutos hay en una 1 hora? ¿Cuántos segundos hay en una 1 hora? ¿Cuántos minutos hay en un día? ¿Cuántos segundos hay en un día?	Dia 13 Jen tiene 12 años. Amy tiene 13 años. En 25 años, ¿cuál será el producto de sus edades?	Dia 14 Tengo 17 huevos pero yo quiero 113. ¿Cuántos más necesito? ¿Cuántos cartones (de una docena) necesito para llevar 113 huevos?	Dia 15 Si tú ahoras dos centavos todos los días en el mes de julio. ¿Cuánto dinero habrás ahorrado al final del mes?
Dia 16 Barry compró un rollo de cinta para hacer lazos para sus cajas de regalo. Hay 132 pulgadas de cinta en el rollo. ¿Cuántos pies de cinta es eso?	Dia 17 ¿El mayor número primo menos que 30 es _____?	Dia 18 Bill y Carol compraron una pizza que cortaron en 8 pedazos iguales. Si Bill se comió $1/8$ y Carol se comió $1/4$ de la pizza, ¿cuántos octavos de la pizza quedan?	Dia 19 Halla una pagina de papel. ¿Que forma es el papel? Plega el papel en el medio hasta no puedes plega casi más. ¿Cuántas veces le plega?	Dia 20 ¡LO LOGRASTE! Por favor entrega tu diario a tu maestra de sexto grado el primer día de clases.