Entering Grade 4

ingresando al grado 4

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 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 CORE5 READING	**Lexia** **Adaptive activities aligned to your student's reading abilities and needs**
epic!	**Epic** **Access to a wide variety of digital books, including text and audio books**
Raz-Kids	**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!

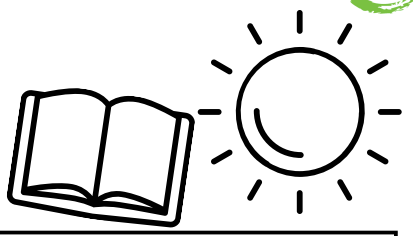
¿Sabía que los mismos recursos de aprendizaje virtual que usó su hijo durante todo el año están disponibles para usted durante el verano? Acceda a través del Portal Clever en cualquier dispositivo: https://clever.com/in/bostonpublic/ . Use el nombre de usuario y la contraseña de BPS de su hijo. ¿Olvidaste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

LEXIA CORE5 READING	**Lexia** **Actividades adaptativas alineadas con las habilidades y necesidades de lectura de su estudiante**
epic!	**Epic** **Acceso a una amplia variedad de libros digitales, libros de texto y audio incluidos**
Raz-Kids	**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

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)*

Sponsored by the Red Sox Foundation
bpl.org/read-your-way-to-fenway/

Scan QR Code for more information

2024 Read Your Way to Fenway Entry Form

Books I read this summer:

Title	Author
1.	
2.	
3.	

Instructions: Read at least three (3) books and write about one in whatever language is most comfortable for you. What would you tell a friend about this book? Did you love it or hate it? Why? Attach more pages if needed (write your first and last name on each page submitted).

Sponsored by the Red Sox Foundation
bpl.org/read-your-way-to-fenway/

Scan QR Code for more information

2024 Read Your Way to Fenway Formulario de inscripción

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)*

Patrocinado por la Red Sox Foundation
bpl.org/read-your-way-to-fenway/

Escanea el código QR para más inforn

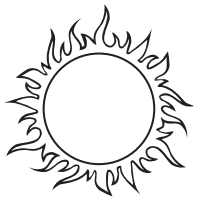
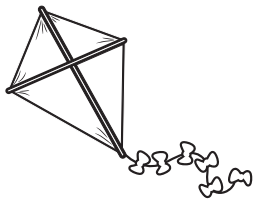
2024 Read Your Way to Fenway Formulario de inscripción

Libros que leí este verano:

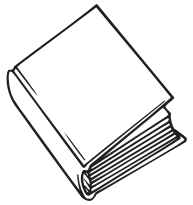
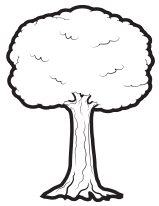
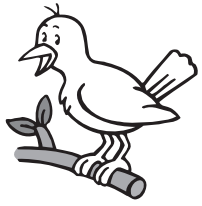
Título	Autor
1.	
2.	
3.	

Instrucciones: Lee al menos tres (3) libros y escribe sobre uno de ellos en el idioma que te resulte más cómodo. ¿Qué le dirías a un amigo sobre este libro? ¿Te gustó o no te gustó? ¿Por qué? Adjunta más páginas si es necesario (escribe tu nombre y apellidos en cada página enviada).

July Writing Prompts

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

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
The $1.00 Word Riddle Book by Marilyn Burns Fraction Fun by David Adler The Best of Times by Greg Tang Pigs Will be Pigs: Fun with Math and Money by Amy Axelrod	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

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 fourth 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

Third Grade Learning Goals

*In grade three, students continue to build their concept of numbers, developing an understanding of fractions as numbers. They learn the concepts behind multiplication and division and apply problem-solving skills and strategies for multiplying and dividing numbers up through 100 to solve word problems. Students also make connections between the concept of the area of a rectangle and multiplication and addition of whole numbers. Activities in these areas will include:

- Understanding and explaining what it means to multiply or divide numbers
- Multiplying all one-digit numbers from memory (knowing their times table)
- Multiplying one-digit numbers by multiples of 10 (such as 20, 30, 40)
- Solving two-step word problems using addition, subtraction, multiplication, and division
- Understanding the concept of area
- Relating the measurement of area to multiplication and division
- Understanding fractions as numbers
- Understanding and identifying a fraction as a number on a number line
- Comparing the size of two fractions
- Expressing whole numbers as fractions and identifying fractions that are equal to whole numbers (for example, recognizing that $^3/_1$ and 3 are the same number)
- Measuring weights and volumes and solving word problems involving these measurements
- Representing and interpreting data

Looking Ahead to Fourth Grade

*In grade four, your child use 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 ($3/_4 = 3x^2/_4x2 = 6/_8$)
- 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)

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

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

Grade 4

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 fourth 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
- 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.

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

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

July Entering Fourth Grade Mathematics Calendar

Day 1 If Mia painted 400 finger nails, how many people did she see?	**Day 2** Read ***Fraction Fun*** by David Adler. Which is larger, 2/3 or 3/4? How do you know? Prove it.	**Day 3** Try a new game at www.funbrain.com Challenge yourself.	**Day 4** How many different ways can you make $3.25? How many quarters do you have if you have $2.25 entirely in quarters?	**Day 5** Practice math facts in a fun way at the website www.multiplication.com What games did you play?
Day 6 Ask family and friends what their favorite summer activity is. Use a tally chart to collect your data. Make a graph of your choice to show the results.	**Day 7** Play a game. What strategy did you use? Would you use the same strategy again?	**Day 8** Play the ***Product Game*** at www.illuminations.nctm.org Record the strategy that you used.	**Day 9** Draw a design that has symmetry.	**Day 10** 325 + ____ = 375 500 = 475 + ____ ___ + 300 = 625 475 + 550 = ____ 275 + ___ = 550
Day 11 Write a story problem that can be solved using the number sentence 9 x 3 = _____.	**Day 12** What cars are parked on your street? Create a table of the make of cars parked on our street (ex. Honda, Ford...)	**Day 13** Read ***The Best of Times*** By Greg Tang. Make a set of flash cards and practice the multiplication facts.	**Day 14** Play ***Chairs*** at www.illuminations.nctm.org If you have 9 tables, what's the greatest number of people you can seat in a line?	**Day 15** Play a strategy game. What strategy did you use? Would you use it again?
Day 16 How many different ways can you make $1.00 using quarters, nickels, and dimes?	**Day 17** If a movie actually began at 7:05 and finished at 8:45, how much time elapsed?	**Day 18** Figure out your age in months. Figure out your age in days.	**Day 19** Roll 2 dice and multiply to find the product. Record the products. Do this 20 times. Create a bar graph with the results. What do you notice?	**Day 20** Read ***Pigs Will be Pigs: Fun with Math and Money*** by Amy Axelrod. Get a menu from a restaurant and add up what it would cost for your family to eat there.
Day 21 60 ÷ 5 = ___ 55 ÷ ___ = 5 50 ÷ 5 = ___ 45 ÷ ___ =5 35 ÷ 5 = ___ What's your strategy?	**Day 22** Show 4 different ways to make $1.56 using coins and/or bills.	**Day 23** What number do you add to 74 to get 100? What are 2 numbers you can add to 245 to get 300? 245 + ___ + ___ = 300	**Day 24** Find 4 numbers larger than 1,000 in a newspaper. Put them in order from least to greatest. What is the difference between the smallest and the largest?	**Day 25** Play ***Concentration*** at www.illuminations.nctm.org Choose cards: ***fractions*** games: ***face down***. Draw pictures that represent some fractions.

Boston Public Schools Summer

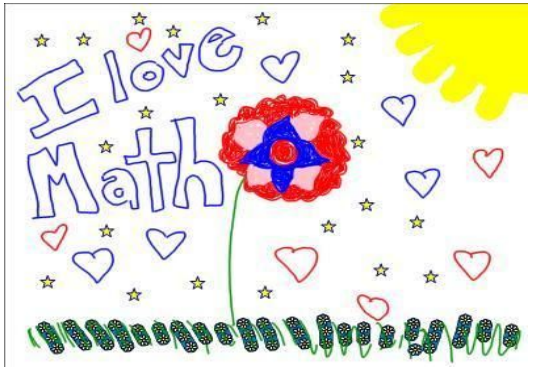
Some of these activities have been adapted from materials developed by Cambridge and Brookline Public Schools

August Entering Fourth Grade Mathematics Calendar

Day 1 Select ten items from a grocery flyer and find the total cost of the items. Calculate how much change you would receive from a one hundred dollar bill.	**Day 2** Play a game. What strategy did you use? Would you use the same strategy again?	**Day 3** Write multiplication and division combinations for 6, 7, and 42. Write a word problem to go with these equations.	**Day 4** How many hours did you sleep last night? Bedime:_____ Wake time:_____	**Day 5** Write a word problem whose answer is12. Have someone solve the problem. Choose another answer and make up a problem.
Day 6 Write a schedule for tomorrow that includes the hours and minutes of your activities.	**Day 7** A farmer has chickens and cows. What combination of animals could total 24 legs? Is there more than one combination?	**Day 8** Solve. 6x6 7x7 8x8 9x9 What patterns do you notice?	**Day 9** Use the flash cards that you made, and practice your multiplication facts.	**Day 10** Family fun! Go on a road trip. Write down the miles on the odometer when you leave. Write down the miles when you get home. How many miles did you travel?
Day 11 Gather 3 store receipts. Find the total amount that was spent.	**Day 12** Read ***The $1.00 Word Riddle Book*** by Marilyn Burns. What is your name worth? What is the most expensive word you can make?	**Day 13** You went shopping with a $5 bill and spent $2.40 Is your change more or less than 40 dimes? Prove your answer.	**Day 14** Plan a meal for your family. With an adult, make a list of ingredients, go shopping, and then follow the recipes.	**Day 15** What time is it now? What time will it be in $6\frac{1}{2}$ hours? What time was it 15 minutes ago?
Day 16 Which Red Sox player has the highest Batting Average? Who has the lowest? What is the difference?	**Day 17** 25x2 25x4 25x6 25x8 What is your strategy?	**Day 18** Do you think zero is an odd or even number (or maybe neither)? Why? Think of reasons to back up your answer.	**Day 19** What number am I? I am less than 25x10 and greater than 22x10. I am a multiple of 5. I am odd. The sum of my digits is 10.	**Day 20** **YOU DID IT!** Please bring your journal to your fourth grade teacher on the first day of school!

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

Paquete de Aprendizaje de Matemáticas para el Verano
Estudiantes entrando al Grado 4



¡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
The $1.00 Word Riddle Book por Marilyn Burns Fraction Fun por David Adler The Best of Times por Greg Tang Pigs Will be Pigs: Fun with Math and Money por Amy Axelrod	www.funbrain.com www.aplusmath.com www.pbskids.org https://illuminations.nctm.org/ www.setgame.com www.multiplication.com www.firstinmath.com

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

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Objectivos de aprendizaje de tercer grado

En tercer grado, el estudiante seguira profundizando su concepto de los números y desarrollara su entendimiento de fracciones como números. El estudiante aprendera multiplicación y división, así como estrategias y técnicas para resolver problemas de multiplicación y división con números hasta el 100, con el objetivo de resolver problemas narrados. Además, el estudiante entendera la relación entre el concepto de área de un rectángulo y la multiplicación y suma de números enteros. Las actividades relacionadas con estos conocimientos incluiran:

- Comprender y explicar lo que significa multiplicar o dividir números
- Multiplicar de memoria los números de un dígito (saber la tabla de multiplicación)
- Multiplicar números de un dígito por múltiplos de 10 (tales como 20, 30, 40)
- Resolver problemas narrados de dos pasos mediante la suma, la resta, la multiplicación, y la división
- Comprender el concepto de área
- Relacionar la medida de área con la multiplicación y división
- Desarrollar el concepto de fracciones como números
- Comprender e identificar una fracción como un número en una recta numérica
- Comparar los tamaños que representan dos fracciones distintas
- Expresar números enteros en fracciones e identificar las fracciones que son equivalentes (por ejemplo, reconocer que 3/1 y 3 representan el mismo valor)
- Medir peso y volumen, y resolver problemas narrados que usen estas medidas
- Representar e interpretar datos numéricos

Cuatro Grado

*En cuarto grado, el estudiante usara la suma, la resta, la multiplicación, y la división para resolver problemas narrados, incluyendo medición de volumen, peso, y tiempo. El estudiante continuara 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 incluiran:

- 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 (3 /4 = 3x2/4x2 = 6 /8)
- Sumar y restar fracciones con el mismo denominador (número de abajo)
- Crear fracciones usando fracciones más pequeñas (3 /8 = 1/8+1 /8+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).

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

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Grado 4
Ideas de Matemáticas para el Verano

Herramientas Matemáticas que necesitarás:
- Cuaderno para el diario de matemáticas
- Lápiz
- Tiza
- Barajas
- Monedas
- Dados

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 cuarto grado.

Cada entrada en el diario debe:
- Contar con la fecha de la entrada
- Tener una resuesta clara y completa
- Ser ordenada y organizada

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 porducto 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.

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

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Julio Calendario de Matemáticas

Dia 1 ¿Qué número soy? Soy menor que 25x10 y mayor que 22x10. Soy múltiplo de 5. Soy impar. La suma de mis dígitos es 10.	**Dia 2** Si Mia pintó 400 uñas de la mano, ¿a cuántas personas atendió?	**Dia 3** Lee **Fraction Fun** de David Adler. ¿Cuál es más grande, 2/3 ó 3/4? ¿Cómo lo sabes? Demuéstralo.	**Dia 4** Intenta un nuevo juego en www.funbrain.com Desafíate a ti mismo.	**Dia 5** De cuántas maneras distintas puedes sumar $3.25. ¿Cuántas monedas de quarters puedes tener si tienes $2.25 en quarters?
Dia 6 Practicar datos numéricos de matemáticas es una manera divertida en la página de Internet www.multiplication.com ¿A qué juegos jugaste?	**Dia 7** Pregúntales a familiares y amigos cuál es su actividad favorita de verano. Utiliza una tabla para juntar la información. Haz una gráfica de tu elección para mostrar los resultados.	**Dia 8** Juega un juego. ¿Qué estrategia utilizaste? ¿Emplearías la misma estrategia otra vez?	**Dia 9** Juega a **Product Game** en www.illuminations.nctm.org Documenta la estrategia que empleaste.	**Dia 10** Dibuja un diseño que tenga simetría.
Dia 11 325 + ____ = 375 500 = 475 + ____ ____ + 300 = 625 475 + 550 = ____ 275 + ____ = 550	**Dia 12** Escribe la historia de un problema que pueda resolverse utilizando la siguiente fórmula: 9 x 3 = _____.	**Dia 13** ¿Qué modelos de autos están estacionados en tu calle? Crea una tabla de las marcas de autos estacionados (Ejemplo: Honda, Ford...)	**Dia 14** Lee **The Best of Times** de Greg Tang. Crea un juego de flash cards y practica factores de multiplicación.	**Dia 15** Juega a **Chairs** en www.illuminations.nctm.org Si tienes 9 mesas, ¿cuál es el número más grande personas sentadas en una fila?
Dia 16 Juega un juego de estrategia. ¿Qué estrategia utilizaste? ¿Emplearias la misma estrategia otra vez?	**Dia 17** ¿De cuántas maneras distintas puedes sumar $1.00 utilizando quarters, nickels y dimes?	**Dia 18** Si la película comenzó a las 7:05 y terminó a las 8:45, ¿cuánto tiempo pasó?	**Dia 19** Calcula tu edad en meses. Calcula tu edad en días.	**Dia 20** Lee **Pigs Will be Pigs: Fun with Math and Money** de Amy Axelrod. Consigue el menú de un restaurante y suma lo que le costaria a tu familia comer ahi.
Dia 21 60 ÷ 5 = ___ 55 ÷ ___ = 5 50 ÷ 5 = ___ 45 ÷ ___ =5 35 ÷ 5 = ___ ¿Cuál es tu estrategia?	**Dia 22** Muestra 4 maneras distintas de sumar $1.56 utilizando monedas y/o billetes.	**Dia 23** ¿Qué números puedes sumar a 74 para obtener 100? ¿Cuáles son 2 números que puedes sumar a 245 para obtener 300? 245 + ___ + ___ = 300	**Dia 24** Encuentra 4 números más grandes que 1,000 en un periódico. Ponlos en orden desde el menor hasta el mayor. ¿Cuál es la diferencia entre el más pequeño y el más largo?	**Dia 25** Concentration en www.illuminations.nctm.org Elige cartas: fractions juegos: face down. Haz dibujos que representen algunas fracciones

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Agosto Calendario de Matemáticas

Dia 1 Elige diez artículos del volante de una tienda y encuentra el costo total de los artículos. Calcula cuánto cambio recibirías si pagaras con un billete de cien dólares.	Dia 2 Juega un juego. ¿Qué estrategia utilizaste? ¿Emplearías la misma estrategia otra vez?	Dia 3 Escribe combinaciones de multiplicación y división para 6, 7 y 42. Escribe un problema de palabras que vayan con estas ecuaciones.	Dia 4 ¿Cuántas horas dormiste anoche? Hora de dormir: _____ Hora de despertar: _____	Dia 5 Escribe un problema de palabras cuya respuesta es 12. Haz que alguien resuelva el problema. Elige otra respuesta y crea el problema.
Dia 6 Escribe un plan para mañana que incluya las horas y minutos de todas tus actividades.	Dia 7 Un granjero tiene pollos y vacas. ¿Qué combinación de animales pueden sumar 24 patas? ¿Hay más de una combinación?	Dia 8 Resuelve. 6x6 7x7 8x8 9x9 ¿Qué patrones notas?	Dia 9 Utiliza las flash cards que tú hiciste y practica tus factores de multiplicación.	Dia 10 ¡Diversión familiar! Ve de viaje. Escribe las millas del velocímetro del auto cuando te vayas. Escribe las millas cuando vuelvas a casa. ¿Cuántas millas viajaste?
Dia 11 Junta 3 recibos de tiendas. Encuentra la cantidad total de dinero que se gastó.	Dia 12 Lee **The $1.00 Word Riddle Book** de Marilyn Burns. ¿Cuánto vale tu nombre? ¿Cuál es la palabra más cara que puedes hacer?	Dia 13 Fuiste de compras con un billete de $5.00 y gastaste $2.40. ¿Es tu cambio mayor o menor de 40 dimes? Demuestra tu respuesta.	Dia 14 Planea una comida para tu familia. Con un adulto, haz una lista de los ingredientes, ve de compras y luego sigue las recetas.	Dia 15 ¿Qué hora es en este momento? ¿Qué hora será en 6 ½ horas? ¿Qué hora era hace 15 minutos?
Dia 16 ¿Cuál es el jugador de los Red Sox que tiene el más alto promedio de bateo? ¿Quién tiene el más bajo? ¿Cuál es la diferencia?	Dia 17 25x2 25x4 25x6 25x8 ¿Cuál es tu estrategia?	Dia 18 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 19 **¡LO LOGRASTE!** Por favor entrega tu diario a tu maestro de cuarto grado el primer día de clases.	Dia 20

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