

Students Entering Grade 1

Below are some suggested resources to use this summer.

Books:

Ten Black Dots by Donald Crews
The Greedy Triangle by Marilyn Burns
Inch by Inch by Leo Leonni
Two Ways to Count to Ten by Ruby Dee
Betcha by Stuart Murphy
Shape, Shape, Shapes by Tana Hoban
The Secret Birthday Message by Eric Carle
Every Buddy Counts by Stuart Murphy
The Button Box by Margarete S. Reid

*Students entering Grade 1 should be able to fluently add & subtract within 5.
The following are suggested websites & apps to help maintain that fluency.*

Websites:

illuminations.nctm.org (Bobbie Bear, Five Frame, Ten Frame, Concentration)

gregtangmath.com

factmonster.com (flashcards)

Apps For All Grades

Pick-a-Path Deep Sea Duel Okta's Rescue Count Money Sumdog Sushi Math	Kakooma Chicken Coop Fraction Games Conundra Math Splash Learn - Math Games Math Slide
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Games: Checkers, Memory, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Connect Four, Legos, K'Nex, UNO, 4-Way Countdown

Students Entering Grade 2

Below are some suggested resources to use this summer.

Books:

Alexander, Who Used to Be Rich Last Sunday by Judith Viorst.

100 Days of School by Trudy Harris.

The Button Box by Margarete S. Reid

The Doorbell Rang by Pat Hutchins

Ten Red Apples by Pat Hutchins

Millions to Measure by David Schwartz

How Big is a Foot? by Rolf Myller

Two of Everything by Lily Toy Hong

Grandfather Tang's Story by Ann Tompert

Students entering Grade 2 should be able to fluently add & subtract within 10.

The following are suggested websites & apps to help maintain that fluency.

Websites:

illuminations.nctm.org (Concentration, Grouping and Grazing, How Many Under the Shell?, Ten Frame)

gregtangmath.com

xtramath.org (personalized program for fact practice)

factmonster.com/math/flashcards.html (Flashcards)

nlvm.usu.edu (Virtual Manipulatives)

Apps For All Grades

Pick-a-Path Deep Sea Duel Okta's Rescue Count Money Sumdog Sushi Math	Kakooma Chicken Coop Fraction Games Conundra Math Splash Learn - Math Games Math Slide
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Games: Checkers, Memory, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Connect Four, Legos, K'Nex, UNO, 4-Way Countdown

Students Entering Grade 3

Below are some suggested resources to use this summer.

Books:

Amanda Bean's Amazing Dream by Cindy Neuschwander

The Greedy Triangle by Marilyn Burns

Measuring Penny by Loreen Leedy

Math for All Seasons by Greg Tang

A Place for Zero by Angeline Lopresti

Spaghetti and Meatballs for All by Marilyn Burns

The Doorbell Rang by Pat Hutchins

Sir Cumference and All the Kings Tens: A Math Adventure by Cindy Neuschwander

One Hundred Hungry Ants by Elinor Pinczes

Love Triangle by Marcie Colleen & Bob Shea

Money Math by David Adler

Students entering Grade 3 should be able to fluently add & subtract within 20.

The following are suggested websites & apps to help maintain that fluency.

Websites:

illuminations.nctm.org (Concentration, Patch Tool)

xtramath.org (personalized program for fact practice)

factmonster.com/math/flashcards.html (Flashcards)

nlvm.usu.edu

gregtangmath.com

Apps For All Grades

Pick-a-Path	Kakooma
Deep Sea Duel	Chicken Coop Fraction Games
Okta's Rescue	Conundra Math
Count Money	Splash Learn - Math Games
Sumdog	Math Slide
Sushi Math	

Games: Checkers, Othello, Memory, Set, jigsaw puzzles, Parcheesi, Crazy Eights, Connect Four, Legos, K'Nex, 4-Way Countdown

Students Entering Grade 4

Below are some suggested resources to use this summer.

Books:

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

Amanda Bean's Amazing Dream by Cindy Neuschwander

Fraction Fun by David Adler

The Best of Times by Greg Tang

A Remainder of One by Elinor Pinczes

40 Fabulous Math Mysteries Kids Can't Resist by Marcia Miller

The Grapes of Math by Greg Tang

Students entering Grade 4 should be able to fluently add & subtract within 20 and know their multiplication facts through 10 x 10 and related division facts.

The following are suggested websites & apps to help maintain that fluency.

Websites:

illuminations.nctm.org (Concentration, Patch Tool)

www.xtramath.org (personalized program for fact practice)

factmonster.com/math/flashcards.html (Flashcards)

nlvm.usu.edu

gregtangmath.com

<https://mathigon.org/multiply> (Daily multiplication fact practice)

Apps For All Grades

Pick-a-Path	Kakooma
Deep Sea Duel	Chicken Coop Fraction Games
Okta's Rescue	Conundra Math
Count Money	Splash Learn - Math Games
Sumdog	Math Slide
Sushi Math	

Games: Monopoly, Othello, Battleship, Connect Four, Mastermind, Mancala, Legos, K'Nex, Simon, Yahtzee, 4-Way Countdown

Students Entering Grade 5

Below are some suggested resources to use this summer.

Books:

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

One Grain of Rice by Demi

Anno's Mysterious Multiplying Jar by Anno Mitsumasa

How Much is a Million? by David Schwartz

G is for Googol by David Schwartz

If the World Were a Village by David J. Smith

Students entering Grade 5 should be able to fluently add & subtract within 20 and know their multiplication facts through 12 x 12 and related division facts.

The following are suggested websites & apps to help maintain that fluency.

Websites:

illuminations.nctm.org (Concentration, Pan Balance-Shapes)

xtramath.org (personalized program for fact practice)

factmonster.com/math/flashcards.html (Flashcards)

nlvm.usu.edu

gregtangmath.com

solve.me.edc.org/mobiles.html

kenkenpuzzle.com

<https://mathigon.org/multiply> (Daily multiplication fact practice)

Apps For All Grades

Pick-a-Path	Kakooma
Deep Sea Duel	Chicken Coop Fraction Games
Okta's Rescue	Conundra Math
Count Money	Splash Learn - Math Games
Sumdog	Math Slide
Sushi Math	

Games: Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Blink, Connect Four, Legos, K'Nex, 4-Way Countdown

Students Entering Middle School

Below are some suggested resources to use this summer.

Books:

The Boy Who Loved Math: The Improbable life of Paul Erdos by Deborah Heiligman

Trapped in a Video Game Book Series by Dustin Brady

Bedtime Math: A Fun Excuse to Stay Up Late (Bedtime Math Series) by Laura Overdeck

That's a Possibility!: A Book About What Might Happen by Bruce Goldstone

The Greedy Triangle by Marilyn Burns

SirCumference book series by Cindy Neuschwander

If You Were a Quadrilateral by Molly Blaisdell

Math Doesn't Suck : How to Survive Middle School Without Losing Your Mind by Danica McKellar

Solve a Crime (You do the Math) by Hilary Koll (Grades 5 and 6)

Activity Consumable Book: ***Beating the Math Triangle***: Activity Book for Middle

Websites:

www.mathpickle.com

www.arcademics.com

www.youcubed.org/resource/apps-games

www.funbrain.com/math-zone

www.brainpop.com/math/

www.gregtangmath.com

www.mathgametime.com

www.coolmath-games.com

www.mathplayground.com/games.html

<https://mathigon.org/multiply>