



3RD GRADE SUMMER WORK

MATH

Dear Rising 3rd Grade Families,

This past year, students have learned new skills and concepts and have deepened their understanding of many mathematical topics. To maintain these skills, students must have opportunities to refresh and practice math throughout the summer weeks. This summer, the required summer math assignment is **Spectrum Math Grade 3 Workbook**. This will be sent home with your child before the end of the school year. The workbook is due the first week of school and will be your child's first math grade. Students are to pace themselves and work on two pages a day. I am looking for students to challenge themselves, work independently, and have their lessons checked by an adult.

Many parents have been asking about what else they can do to make sure their child is ready for 3rd grade math. The best piece of advice I can tell parents is: **Practice, Practice, Practice!**

First and foremost, help your child practice their math fluency or math facts. Third-grade students must be able to add quickly, subtract, and know their multiplication facts to move on to the higher-level math that they will be introduced to in the fall.

In third grade, we need to move quickly into multi-digit multiplication and division. Having the basic facts memorized will make it possible for your child to be successful with these more advanced math processes. Not having the necessary facts memorized will make learning these concepts very difficult.

Here are a few small tips on how you can help:

- 1.) Have fun with math! Play games with the facts. Try to find ways to make practice fun, including silly rhymes, songs, or memory tricks.
- 2.) Use the time that is usually "wasted" (waiting in line, sitting in traffic) to drill facts. I always tell kids- when mom or dad is driving to the grocery store, have them ask you your multiplication facts! Or, mute the TV on commercials and study flashcards!



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3.) You can access numerous websites. A fabulous website is www.aaamath.com. This website is a FREE resource to practice multiplication facts, division, rounding, etc. Also, there is www.coolmath4kids.com, which has full lessons, flashcards, practice problems, games, and puzzles.

Thank you for assisting your child in becoming a successful math student! I look forward to meeting you in the fall.

Warmly,

Mindy Reed

Looking for ways to practice math with your child at home? Here are some fun games for you to play together! All you need is a deck of cards or a pair of dice.

1.) Race for \$1.00 (money addition)

You need 30 pennies, ten nickels, 20 dimes, one quarter, a dollar, two dice, and a partner.

Take turns. On your turn, roll the dice. The sum tells how many pennies to take. When you have 5 pennies, trade for a nickel. When you have two nickels, trade for a dime. When you have two dimes and one nickel, trade for a quarter, the first player to reach \$1.00 is the winner.

2.) Guess My Number (number logic)

You need: paper, pencil, partner

Player one picks a number from 0-99 and writes it down. Player two makes a guess

and writes it down. Player one gives a clue: "Your guess is greater than my number" or "Your guess is less than my number." Continue playing until player two guesses player one's number. Switch jobs and play again.



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3.) The 1 to 10 Game (addition)

You need: 2 dice, one deck of cards, and a partner

Use only the ace, 2, 3, 4, 5, 6, 7, 8, 9, and 10 cards.

One of you takes the red cards, one of you takes the black cards. Take turns. On your turn, roll the dice and figure out the sum. Remove enough cards from your hand to add up to that sum. For example, if you roll a 5 and a 3, you can make 8 in many ways ($5+3$, $4+4$, $4+2+2$, 8, etc...). If you can't make the sum with the cards in your hand, roll again. If you can't make a sum after three rolls, you lose the game. You win if your partner can't make a number in three rolls or if you use up all of your cards.

4.) Number Family Rummy (fact families)

Use a deck of 40 cards: Four suits of ace through ten. The goal is to make families of three cards that are related by addition or subtraction. For example: 5, 5, and 10 are a family because $5+5=10$, and $10-5=5$. 6, 3, and 9 are a family because $6+3=9$, $9-6=3$, and $9-3=6$.

Shuffle the deck and deal 6 cards to each player. Place the remaining cards face down in a pile. If you have any families of cards, place them aside. If you don't have any families, you may draw one from the pile and discard one of your own. You may also discard the one that you picked up if you don't want it. The first player to get rid of all six cards (2 fact families) is the winner. Remember that the ace equals one.

5.) Grab Bag Subtraction (subtraction)

Choose a number of things to work with, and put that many objects into a bag. You can use crayons, coins, beans, buttons, etc...) Grab a handful of the items and count them. Use subtraction to figure out how many items are now left in the bag. So if you put 100 items in the bag and pulled out 20, then you would write $100-20=80$. Let your partner have a turn, and whoever leaves the least amount in the bag is the winner.



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6.) Lineup (number order, multiples)

Prepare number cards from 0-50. If more than two players are going to play, you might want to prepare two decks. Shuffle the cards and deal 8 to each player. Players place their cards face up in a horizontal line in front of them in the same order in which they are received. Players may not move their cards around. The object of the game is to be first to have your cards in the right sequential order from smallest to largest. A player does this by taking a card on each turn from the top of the undealt deck and using it to replace any of the cards in his lineup. He discards the card that is replaced. Whenever a player's lineup of numbers is in the correct order from smallest to largest, he calls out LINEUP and wins the game.

You can vary this game by using multiples of numbers. You still have eight cards but are trying to get multiples in order from smallest to largest. So you can do multiples of 2 (2, 4, 6, 8, 10, 12, 14, 16) or multiples of 3 (3, 6, 9, 12, 15, 18, 21, 24). You can even have numbers such as 12, 16, 20, 24, 28, 32, 36, 40. Those are multiples of 4, but they don't necessarily have to start with the number 4. They are, however, still in order from smallest to largest.

7.) Card Capture (addition, subtraction, multiplication, division)

Use a set of fact flashcards. Divide the cards equally between the two players. One player attacks, while the other player defends. The defending player shows his cards (problem side up) one at a time to the attacking player. If the attacking player says the right answer, he captures the card and adds it to his own. He can continue capturing cards until he answers incorrectly. When this happens, the defending player becomes the attacker and gets his chance at capturing the cards. This continues with cards being captured back and forth until one player winds up with all of the cards, or has the most cards when time is called. You can even set the rules to the first player to capture 20 cards, or any number you'd like.



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8.) Slot Card Races (addition, subtraction, multiplication, division)

Cut an open slot in a card or blank piece of paper. The slot needs to be large enough to see only one math problem or fact at a time written in a column on another piece of paper. The questions should be such that the player can work the answers out in his/her head. Each player, in turn, tries to work the problems as fast as he can while being timed. The card is slid down from one question to the next as he correctly answers each one. If a problem is solved incorrectly, the leader moves the card back one problem. Each player's time is written down. Players may re-challenge each other. A variation would be to move the card at a certain speed for all players to see how many problems they can do accurately at that speed before making a mistake.

9.) Multiplication Trick (Multiplication)

Here is a quick way to multiply a two digit number by 11. Write the number to be multiplied, but leave a space in between. Add the two digits, and write the sum in that place. You have your answer.

Example: If you wanted to multiply 11×36 , write the 3 and the 6 with a space in the middle. $3+6=9$, so write a 9 in that middle space. Your answer is 396.

10.) What's Your Favorite Number? (Challenging multiplication)

Ask someone his/her favorite number between 1 and 9. Then multiply the favorite number by 9. Multiply that by 12345679, and you know what? Your friend will be surprised when he sees you writing his favorite digit over and over again in the answer. That is if you multiply correct



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Practice everything from basic math skills to geometry:

[Math is Fun](#)

Hundreds of free on-line math games that make learning fun (K-8)

[Fun Kids Online Math Games](#)

Hundreds of links to primary and intermediate math games organized by concept

[JMP Johnnie's Math Page The Best Math for Kids and their Teachers](#)

This game will help you practice place value and rounding numbers. [Place Value Puzzle - a game on Funbrain](#)

Practice perimeter and area - <http://www.funbrain.com/poly/index.html>

Reading graphs and graphing ordered pairs - <http://www.funbrain.com/co/index.html>

Calculating change - <http://www.funbrain.com/cashreg/index.html>

Number patterns - <http://www.funbrain.com/cracker/index.html>

Number line addition and subtraction - <http://www.funbrain.com/linejump/index.html>

Equivalent fractions. <http://www.funbrain.com/fract/index.html>

Line up and read a protractor - [Math Playground Measuring Angles](#)



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ESW-OPTIONAL

Hello Park Maitland Writers,

Happy Summer! We hope you are off to a great start with family and friends and enjoying all the exciting summertime activities you love!

We are already looking forward to a wonderful start to your 3rd-grade year and hope you will take advantage of exploring some optional writing activities we have here.

These are some entertaining ways to keep you going strong with the writing process of prewriting, drafting, revising, editing, and publishing.



Writer's Choice Board: Try doing a weekly activity from here!

What are some fun things you want to do this summer? Write this with lots of details!	Describe a time when you built a fort. If you never have, what kind of fort would be fun to build? Why do kids enjoy making forts?	What friend did you hang out with the most this summer? What are some of the fun things that you did together?
Come up with an idea for an invention. What is it called and how does it work? How would it be used?	If you could travel to any country, which would you choose and why? What would you want to experience there?	Would you rather travel on a boat, plane, or hot air balloon? Why? What do you think it would be like? What would you want to see?
Think of a favorite book that you read. If you have the book, that's great, but no worries if you don't! If you could rewrite the ending or write the next chapter, what would happen? Give it a try! Be a budding author!	Write a letter to a grandparent, aunt or uncle, friend, or cousin and tell them what you've been doing so far this summer!	Write about 3 favorite memories from your summer. Describe each and explain what made them memorable. Use your 5 senses to help me really see and feel and hear what you experienced!
Try this for a fun creative writing idea: Roll-a-Story	Write a letter to the author of one of your favorite books. Tell them what you liked about their book, the parts that made you laugh, how you liked the characters or ending, or whatever you want to share! Have a parent help you address the envelope. You will love it when they write back!	What are you most excited about in this upcoming school year? What are you least excited about?

Keep your cursive writing going!

Check out this video: [How to Write in Cursive](#)

You can even print out the sheets for more hands-on practice. There are many more cursive videos on YouTube. Have fun while getting ahead :)

Happy, creative writing!

Love, Mrs. Commins and Mrs. Farley



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READING

"Books aren't just made of words, you know. . . they're also filled with places to visit and people to meet."

Please encourage your students to read each and every day! "Reading for fun" is a key factor in improving academic success. **Your student will benefit from reading, being read to, and reading aloud.** Student's fluency will also greatly improve by consistently reading aloud. Improve your child's understanding of their books by asking questions as they read.

Summer Reading Assignments :

1. Each student needs to read *The Chocolate Touch* by Patrick Skene Catling over the summer. This book is a fun story for the whole family about a boy who acquires a magical gift. The third graders will be excited to get back to school and share what they have learned about wanting too much of a good thing. **We will begin third grade with a unit on this book. Therefore, it would be beneficial to read *The Chocolate Touch* close to the beginning of the school year! I highly recommend that this book be a shared reading experience between a parent/adult and the child and make it a paired book reading with the Legend of King Midas.**
2. Each student needs to **complete the three (3) discussion questions AND the character map** on *The Chocolate Touch*.
3. Each student needs to ALSO select at least one (1) additional book to read and complete a book review form on that book (on a book **other than *The Chocolate Touch***).

To challenge and enrich your child's summer reading, have him/her select two (2) additional books and complete a book review on each. The following list contains suggestions of 3rd grade appropriate books. However, other books may be used. Please help your child responsibly select books that are appropriate for their interest and reading level.



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Book list:

Whitney Stewart - Who Was Walt Disney? (And other books in this series)

Joan Holub - Where is Walt Disney World? (And other books in this series)

Beverly Cleary- Muggie Maggie

Beverly Cleary - Ramona series, Henry and Ribsy series, Ralph Mouse series

Matt Christopher – any book in this sports series

Lauren Tarshis – I Survived series

Andy Griffiths -- The 13th Story Treehouse series

Candice Fleming- Ben Franklin's in my Bathroom! (History Pals series)

Christopher Eliopoulos - Cosmic Commandos

Cressida Crowell - How to Train Your Dragon series

Tracey West - Dragon Masters series

Judy Blume - Freckle Juice

Gertrude Chandler Warner - The Boxcar Children series

Ron Roy – A-Z Mysteries series

Mary Pope Osborne – Magic Tree House series

You Choose Interactive History series *J

acqueline Davies – The Lemonade War series*

Katherine Applegate - The One and Only Ivan

E.L. Konigsburg - From the Mixed-Up Files of Mrs. Basil E. Frankweiler*

(* more challenging books)

Let's take advantage of the summer to promote the love of reading!

Enjoy!

Mrs. Commins and Mrs. Farley



Discussion Questions:

Your child will be required to answer the following discussion questions in complete sentences, as well as completing the character map on the next page.

We will be beginning third grade reading class with a unit on The Chocolate Touch. Therefore, it would be beneficial to read this book close to the start of the school year.

Please answer these discussion questions in **complete sentences on lined notebook paper**. Make sure to **include your name**. 😊

1. Do you think that eating too much candy is a bad habit? Explain why or why not.
2. At first John is delighted about everything turning to chocolate. How do his feelings change? Why do his feelings change?
3. List at least two (2) things John realizes as he speaks to the storekeeper at the end of the book.

Pick your favorite main character from the book (John Midas, Susan Buttercup, Mr. or Mrs. Midas). Think about what you imagine your character looks like and draw the picture in the center. Think of describing words you would use to tell someone about your character, the problem they faced, and how they changed from the start of the book to the end. Using this information, complete the chart below. **NOTE: Under "Character Traits" you will see a note saying "Choose from the adjectives on the back". Instead, you will find a Character Trait Synonym List in this packet to help choose good adjectives.**

Title: _____ Author: _____

Character's Problem	What do you know about the character? (draw conclusions)
How did the character solve the problem?	
<h1>Character</h1> <hr/> <p>Character's name</p>	
Character Traits (choose from the adjectives on the back)	How did the character change over time?

Character Traits: Synonyms

Nice

helpful
friendly
kindhearted
compassionate
pleasant
thoughtful
agreeable
courteous

Mean

wicked
rude
thoughtless
impolite
cruel
hateful
unfriendly
unkind

Happy

cheerful
joyful
excited
satisfied
content
delighted
pleased
glad

Sad

depressed
serious
gloomy
miserable
unhappy
discouraged
sorrowful
mournful

Smart

intelligent
brilliant
clever
bright
skillful
wise
brainy

Brave

daring
courageous
adventurous
fearless
heroic

Tricky

dishonest
deceitful
sneaky
secretive
sly
untrustworthy

Funny

amusing
hysterical
humorous
comical
hilarious
silly

Mad

exasperated
annoyed
outraged
furious
frustrated
angry
displeased
irritated

Scared

terrified
panicked
nervous
afraid
alarmed
frightened
fearful
petrified

Thankful

appreciative
grateful

Clumsy

awkward
uncoordinated

Active

athletic
energetic

Shy

bashful
quiet

Talkative

chatty
communicative

Book Review 1

Name: _____

Date: _____

Book Title: _____

Author: _____

Please put a check mark beside the genre of your book:

Fiction		Nonfiction	
Realistic		Informational	
Fantasy		How-To	
Historic		Biography	
Mystery			
Fairy or Folk Tale			

Rate Your Book! Circle one number based on your opinion of the book.

This book was:

1

2

3

4

5



Not Good

Good

Great!



Tell me about your book! Below, write a *brief* summary of your book using complete sentences:

Book Review 2 (Optional)

Name: _____

Date: _____

Book Title: _____

Author: _____

Please put a check mark beside the genre of your book:

Fiction		Nonfiction	
Realistic		Informational	
Fantasy		How-To	
Historic		Biography	
Mystery			
Fairy or Folk Tale			

Rate Your Book! Circle one number based on your opinion of the book.

This book was:

1

2

3

4

5



Not Good

Good

Great!



Tell me about your book! Below, write a *brief* summary of your book using complete sentences:

Other Suggestions to Jump-start Reading

Abott	The Secrets of Droon **
Adler	American Girl **
Adler	Picture Book biographies **
Atwater	Mr. Popper's Penguins
Baglio	Animal Ark **
Bentancourt	Pony Pal **
Birney	The World According to Humphrey **
Caper	Florida Panthers
Chrisp (Peter)	One Million Things
Chrisp (Marty)	Titanicat
Clarke	Stuck in the Mud
Cleary	Beezus and Ramona **
Cleary	Henry Huggins **
Cleary	The Mouse and the Motorcycle
Clifford	Help, I'm a Prisoner in the Library
Cox	Puppy Power
Creech	Love That Dog
Dahl	Charlie and the Chocolate Factory and others
Danziger	Amber Brown **
DiCamillo	Tales of Despereaux
DiTerlizzi	Spiderwick Chronicles **
Erickson	Hank the Cowdog
Fritz	And Then What Happened, Paul Revere?
Hammond	Car Science
Holm	Babymouse **
Hillman	How Strong Is It?
Jenkins	Toy Dance Party
Keene	Nancy Drew **
Kline	Horrible Harry **
Leardi	Southern Sea Otters
Lenski	Strawberry Girls and others
Lowrey	Gooney Bird Greene **
Manes	How to be a Perfect Person in Just Three Days
MacLahclan	Sarah, Plain, And Tall
Peterson	The Littles **
Rockwell	How to Eat Fried Worms
Sachar	Wayside School ** and others
Sandler	Manny Ramirez and the Boston Red Sox
Scieszka	Time Warp Trio **
Sobol	Encyclopedia Brown **
Whitehead	How To Speak Cat
Whitehead	How To Speak Dog