

Dear Montgomery Families,

It's hard to believe we are almost through the school year! We have always given suggestions for math practice, but this summer just like there is required reading, we have added required math skill practice for at least three times a week. I can't convey strongly enough how important this is. According to Harvard Graduate School of Education, the research is clear. Summer learning loss is real and it is easier for kids to forget what they learned in math over the summer than it is for them to lose reading skills. The reason they say is that reading is practiced throughout our summer days just through daily routines, and we all love reading to our children. Math is sometimes just forgotten. It is easy to forget the presence of math in our daily activities.

Our awesome teachers have prepared a list of skills along with ideas and/or resources of ways to practice these skills. If you're eager to make math fun, easier for your child, and perhaps helpful in advancing their skills, make sure your child masters what is on the list below. Make math part of your summer fun. Don't forget practical application of math skills during a vacation or just driving down the street. Math is all around us!

INCOMING SECOND GRADE

- Remember to do math review one to two times per week during the summer.
- Add and subtract single-digit numbers (fact fluency to 20)
- Skip - counting by 2, 5, and 10
 - IDEA -Running flashcards! Place flashcards at one end of a room (or outside on the grass). Have your child run, grab a flashcard, solve the fact, and run back with it to where they started. Do this until the entire pile is gone. Have friends/family members join in the line (taking turns like a relay race) and time how long it takes to solve the entire deck of cards.
- Add and subtract double-digit numbers without regrouping-
 - RESOURCE - <https://www.mathplayground.com/>
- Identify and count coins (penny, nickels, dimes, quarters)
 - IDEA - Play store with your child! Set up a little snack bar or store and have your child count out coins to purchase items.
- Identify two and three-dimensional shapes
 - RESOURCE - <https://sg.mathgames.com/>

INCOMING THIRD GRADE

- Remember to do math review three times per week during the summer.
- Review the value of a digit according to its place (ex. The value of 5 in the tens place is fifty, but in the hundreds place it is 500)
 - https://www.mathplayground.com/place_value_party.html
 - https://www.mathplayground.com/pop_penguin/index.html
 - https://www.mathplayground.com/video_addition_regrouping.html(Review of place value using manipulatives)

- Add and subtract addition and subtraction facts to twenty.
 - https://www.mathplayground.com/puzzle_pics_addition_facts_to_20.html
 - https://www.mathplayground.com/puzzle_pics_subtraction_facts_to_20.html
 - https://www.mathplayground.com/math_monster_addition.html
 - https://www.mathplayground.com/math_monster_subtraction.html

INCOMING FOURTH GRADE

- Remember to do math review at least three times per week over the summer.
- Add, subtract, multiply, and divide fluently with numbers 0-12
- Multiply one to three-digit numbers without regrouping
- Solve one and two-step multiplication and division problems
 - [Long Division Practice](#)
 - [Division](#)
- Use mental math to add, subtract, multiply, and divide (MULTIPLICATION AND DIVISION FACTS TO 12 TIMES TABLES MASTERED)
 - [Hit the Button- Math fact practice](#)
 - [More Multiplication Games](#)
 - [Multiplication Practice](#)

Enjoy your summer! Thanks for your support in continuing your child's math skills all summer long! Trust us, it will make a difference in September!

Warmly,
Susan Marotta
Lower School Head