

Thurgood Marshall Elementary Summer Math Newsletter



**Mistakes
Allow
Thinking
To
Happen**

It's the end of the school year and we know students look forward to vacation. However, let's do all we can to prevent that "Summer Slide" by continuing to review fluency Math skills. This newsletter is filled with suggestions to help prevent student learning loss.

**Preventing
SUMMER SLIDE**

"Procedural fluency is skill in carrying out procedures flexibly, accurately, efficiently, and appropriately."



- *Fluently add and subtract with in 5
- *Count to 100 by ones and tens.
- *Count forward beginning from a given number with the known sequence.
- *Read and write numerals 0-2-. Represent a number of objects with a written numeral 0-20.
- *Compose and decompose numbers from 11-19 into tens ones



- *Add and subtract with 20, demonstrating fluency for addition and subtractions within 10
- *Add within 100, including adding a two-digit number and a one-digit number.
- *Partition circles and rectangles into two and four halves shares.



- *Fluently add and subtract with 20 using mental strategies.
- *Fluently add and subtract within 100 using strategies based on place value, properties of operations and/or relationship between addition and subtraction.
- *Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns.
- *Partition circles and rectangles into two, three and four equal shares.



- *Fluently multiply and divide with 100, using strategies
- *Fluently add and subtract with 1,000, using strategies and algorithms based on place value.
- *Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned in b equal parts.
- *Explain equivalence of fractions in special cases and compare fractions by reasoning about their size.



- *Fluently add and subtract multi-digit whole numbers using the standard algorithm.
- *Recognize that multi-digit whole number, a digit in one place represents ten times in the place to its right.
- *Multiply a whole number of up to four digits by one-digit whole number, and multiply two-digit numbers, using strategies based on place value.
- *Find whole number quotients and remainders with up to four dividends and one-digit divisors.



- *Use parenthesis, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.
- *Recognize that a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $1/10$ of what it represents in the place to its left.
- *Find whole number quotients with up to four dividends and two-digit divisors
- *Add and subtract fractions with unlike denominators
- *Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.

Math and Technology



iReady can be used for reinforcing core content at home.



Visit the Acaletics Math Club Portal to increase fluency



Explore features and fun rewards that help boost math skills.



Individualized online game-based math fluency practice.



AT HOME MATH ACTIVITIES

Math in the Grocery Store



Tip #1- Encourage students to play math challenges at the grocery store. For example, they can estimate the total cost of all groceries prior to checkout. For a greater challenge, incorporate coupons, sales, and adjusted pricing for bulk items.

Tip #2- Organize a field trip to the grocery store....making lists and pricing items ahead of time, that your child can use to cook with.

Math Makes Baking Fun



Tip #3- Simple projects like no bake cookies or snack mixes that require measuring and mixing while reinforcing math concepts.

Math Lets You Manage Time



Tip #4- Have your child set goals and determine how much time they must put aside daily or weekly to achieve these goals. Have your child calendar their time, create their own to-do-lists, and give their tasks a number to rank what their priorities are.

Road Tripping



Tip #5- Use road trips to incorporate math by learning direction, map reading, calculations, word-problems skills. and how to read road signs.

Resources for Parents to Promote Summer Learning

SumDog

MAP to Khan Academy

Tenmarks

Math Camp

Experiential learning is also something that parents can encourage over the summer. Local field trips, camping and museums are all great ways to connect students with their surroundings and nature, while having fun!