

Math Matters

Created by:
Mrs. Dalka
Ms. Heiland
Mrs. Nolte

What's That Word?

An **INTERVAL** is the amount of time passed or a segment on the number line.

To **BISECT** something is to divide it into two equal parts.

To show an example of something with signs or symbols is to **REPRESENT** it.

DOUBLES are addition facts with two addends that are the same.

Click It!

Check out these websites:

- ◆ [Parent Support from Eureka!](#)
A variety of resources to help keep parents informed and involved in supporting students.
- ◆ [Mathdice.com](#)
Play a virtual version of this game by Think Fun. There are multiple levels to be played for all grades.
- ◆ [Education.com](#)
This web site has engaging activities, games and activities organized by subject and grade level. Check it out over the summer to reinforce important skills!

Where Will Math Take You This Summer?

Throughout the year our students have worked hard to become mathematicians. Mathematicians don't spend time practicing math they've already learned, they apply the math they know to make sense of the world around them!

Real World Math:

- ◆ is collaborative
- ◆ requires decision making
- ◆ connects to the world around us
- ◆ is interesting and engaging

This year instead of the usual summer math worksheet packet, we have designed a fun, hands-on way for students entering grades one through six to do what real mathematicians do: apply math knowledge and skills to engage with and make sense of the world

Introducing the Thomaston Summer Math Passport!

What is the Thomaston Summer Math Passport?

The Thomaston Summer Math Passport is a math-themed adventure designed to help students engage in problem solving over the summer while building upon math content and critical thinking skills learned throughout the school year. The Passport itself is a full-color booklet containing math problems linked to participating businesses around town.

What does the Thomaston Summer Math Passport involve, and what is my role?

- Completing the Passport involves your child visiting participating business, receiving information needed to solve specific math problems, working on those problems, and earning stamps for his or her work.
- As a parent/guardian, read through the Passport with your child. You will notice on each page that more information is needed to solve the problem than what is provided.
- Visit participating businesses with your child in order to receive the necessary missing information needed to solve each problem (either from an information sheet at the business or from menus and items at the business).
- Discuss each problem with your child, and help them as they work to find a solution.
- Please note - You are not required to purchase anything at participating businesses.

What does my child have to do?

- Think about the problems in the passport and talk about how he or she could solve them.
- Obtain the necessary information at the business, solve the problem, and record his or her thinking in the Passport.
- Show the business his or her work in the Passport and receive a Passport stamp.
- Bring the Passport to his or her teacher in the fall with at least 8 stamps to receive recognition! Receive all 12 Passport stamps for special recognition!
- Have fun as mathematicians adventuring around town!
- In the event of a misplaced Passport, extra booklets are available through the Black Rock and Center School main offices.



Recommended Reading

Problem Solving (grades 3-6):

Arithme-Tickle

By J. Patrick Lewis

Biography (grades 2-6):

The Boy Who Loved Math

By Deborah Heiligman

Numbers/counting (grades 1-3):

Ocean Counting: Odd Numbers

By Jerry Pallotta

Combinations of Ten (grades K-2):

Diary of a Worm

By Doreen Cronin

Math Riddles, Tips, and Tricks!

If there are four apples and you take away three, how many do you have?

Answer: You took away three so obviously you have three!

If two's company and three's a crowd, what are four and five?

Answer: Nine



Figure It Out Together!

Play It:

Scrambled Eggs (K-6)

Use magic marker to write a number from 4-9 in the bottom of each cup section of an egg carton. You will have to write each number in two different cups. Place two small cubes or chips in the egg carton, close the lid, and have students gently shake the carton. When they open the carton, they must find the sum of the two numbers on which the chips or blocks have settled. Students can play with a partner or can play in teams, keeping score by recording a tally mark for each time their sum was greater than their opponent's sum. The player, or team, with the most tallies wins the game.

Modify this game to be easier by using smaller numbers (0-6). Make it more difficult by multiplying instead of adding or by using fractions instead of whole numbers!

24 Game (k-6)

If you're looking for a fun game to help pass the time during a long ride this summer, you may want to try the 24 Game. There are several versions for practicing math operations starting with simple addition and subtraction to algebra and exponents. Each game set is differentiated so there are 3 levels of difficulty to play in every box.

See www.24game.com to find out where you can pick up this fun game before your next car ride.

There's an App for That

For Family Problem Solving Check out:
Bedtime Math—Free

For Number Sense and Fluency Check Out:
Ten Frame Mania

Kakooma

Math Limbo

All Free by Big Hatch Inc.



Mrs. Dalka is the K-6 Math Coach, Ms. Heiland is the Math Intervention teacher at Black Rock School, and Mrs. Nolte is the Math Intervention teacher at Thomaston Center School.

Have a great math riddle, tip, trick, website or book to share? Have questions, comments, or concerns? Contact us by email at:

sdalka@thomastonschools.org

sheiland@thomastonschools.org

jnolte@thomastonschools.org