

# WISCONSIN MATHEMATICS COUNCIL, INC.



Summer Math Program

# The Program

Passive program (hardcopy and digital format)

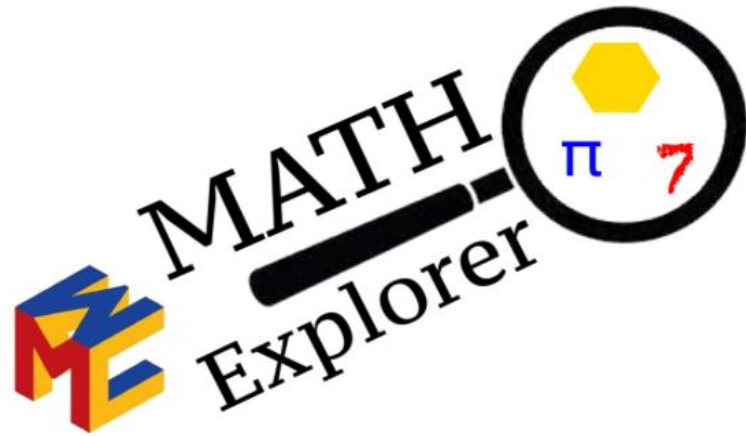
For ages: PK, K-2, 3-5

Library supplies completion and bonus prizes:

\*Completion: 5 activities (row, column, diagonal)

\*Bonus: all 25 activities





# Be a Math Explorer!

*Start your exploration by selecting one of the Math Adventures below.*

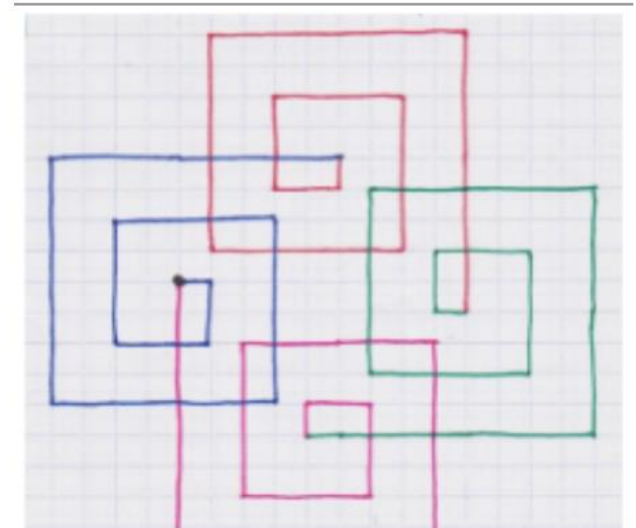
PK Adventure



K-2 Adventure



3-5 Adventure



# Math Adventure: PK

## Summer Math Adventure

Around the Home	Outdoors	The Arts	Books	Games & Puzzles
<a href="#">Math Play At Home</a>	<a href="#">Obstacle Course</a>	<a href="#">Freestyle Symmetry Art</a>	<a href="#">More, Fewer, Less</a>	<a href="#">The Number Game</a>
<a href="#">Getting Dressed</a>	<a href="#">Roll to Win</a>	<a href="#">Nature Mandalas</a>	<a href="#">Count Me In: A Parade of Mexican Folk Art Numbers</a>	<a href="#">Crazy Train</a>
<a href="#">Bird Data</a>	<a href="#">Math Walk</a>	<a href="#">Counting Songs</a>	<a href="#">Color Farm</a>	<a href="#">I Spy</a>
<a href="#">Fingerplays</a>	<a href="#">Sidewalk Chalk Number Path</a>	<a href="#">Many Shapes Picture</a>	<a href="#">Five Creatures</a>	<a href="#">Number Loteria</a>
<a href="#">Scavenger Hunt</a>	<a href="#">Plan a Picnic</a>	<a href="#">Steady Beat, Rhythm, and Melody</a>	<a href="#">Baby Goes to Market</a>	<a href="#">Fill the Cup</a>

Or, substitute a book from the [online list](#).



## Counting Songs

Counting songs are a fun way to practice counting forwards and backwards within 10 and learn about number relationships.

Have fun learning and singing some of the following songs:

- One, Two, Buckle My Shoe
  - Listen to the tune at [https://www.youtube.com/watch?v=Otf4\\_UEvNQ8](https://www.youtube.com/watch?v=Otf4_UEvNQ8)
- Ten in a Bed
  - Listen to the tune at [https://www.youtube.com/watch?v=TdDypyS\\_5zE](https://www.youtube.com/watch?v=TdDypyS_5zE)
- Five Little Speckled Frogs
  - Listen to the tune at <https://www.youtube.com/watch?v=rn-Bm2Jy004>
- One, Two, Three, Four, Five
  - Listen to the tune at <https://www.youtube.com/watch?v=f0l-940eqGo>

Do you know any other counting songs?



[Return to Activity Grid](#)

# Math Adventure: K-2

## K-2 Summer Math Adventure

<u><b>Around the Home</b></u>	<u><b>Outdoors</b></u>	<u><b>The Arts</b></u>	<u><b>Books</b></u>	<u><b>Games and Puzzles</b></u>
<a href="#">Scavenger Hunt</a>	<a href="#">Bean Bag Toss</a>	<a href="#">Sound Songs</a>	<a href="#">Sheep Won't Sleep</a>	<a href="#">Number Hunt</a>
<a href="#">Measuring Without a Ruler</a>	<a href="#">Sidewalk Chalk Challenge</a>	<a href="#">Make a Math Art Book</a>	<a href="#">Max's Math</a>	<a href="#">Before and After</a>
<a href="#">What's Outside Your Window?</a>	<a href="#">Neighborhood Numbers</a>	<a href="#">Tessellations</a>	<a href="#">One Big Pair of Underwear</a>	<a href="#">Add and Subtract Bingo</a>
<a href="#">The Shoe Rack</a>	<a href="#">Math Play</a>	<a href="#">Mondrian Window Art</a>	<a href="#">Counting on Katherine</a>	<a href="#">Sum it Up</a>
<a href="#">3D Shapes</a>	<a href="#">Shapes at the Park</a>	<a href="#">Quadrilateral Art and Graphing</a>	<a href="#">The Animals Would Not Sleep</a>	<a href="#">Counting Simon Says</a>

[Or, substitute any book on this list](#)



### Tessellations

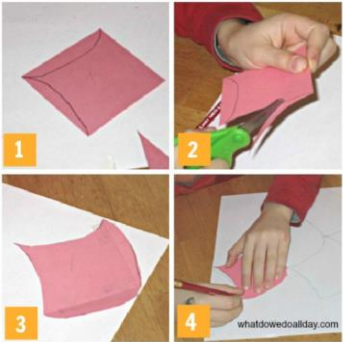
Cut a square out of heavy paper.

Draw a design from corner to corner on the bottom of the square. Cut this out and tape it to the top of the square.

Draw another design from corner to corner on the left hand side of the square. Cut this out and tape it to the right side of the square.

Trace this pattern onto paper and color your design.

Adapted from: <https://www.whatdowedoallday.com/math-art-tessellations/>



K-2 Summer Math Program				
Around the Home	Outdoors	The Arts	Books	Games and Puzzles
Scavenger Hunt	Bean Bag Toss	Symmetry Art	Sheep Won't Sleep	Number Hunt
Estimation	Math Walk	Make a Math Art Book	Max's Math	Hexagon Challenge
What's Outside Your Window?	Neighborhood Numbers	Tessellations	One Big Pair of Underwear	Add and Subtract Bingo
The Shoe Rack	Math Play	Mondrian Window Art	Counting on Katherine	Sum it Up
Crazy Train	Shapes at the Park	Quadrilateral Art and Graphing	The Animals Would Not Sleep	Counting Simon Says



# Math Adventure: 3-5

## Summer Math Adventure Grades 3-5

Around the Home	Outdoors	The Arts	Books	Games & Puzzles
<a href="#">How Many?</a>	<a href="#">Sidewalk Math</a>	<a href="#">Spiral Math Art</a>	<a href="#">Classified: The Secret Career of Mary Golda Ross, Cherokee Aerospace Engineer</a>	<a href="#">Target 1000</a>
<a href="#">Snack Time</a>	<a href="#">How Tall is That Tree?</a>	<a href="#">Flexagons</a>	<a href="#">Maryam's Magic</a>	<a href="#">Panda Squares</a>
<a href="#">Crazy Train</a>	<a href="#">Fraction Target Game</a>	<a href="#">Math Poetry</a>	<a href="#">Secret Coders</a>	<a href="#">Nim Games</a>
<a href="#">Make Lemonade</a>	<a href="#">Exercise by the Numbers</a>	<a href="#">Seamless Patterns</a>	<a href="#">Unusual Chickens</a>	<a href="#">How Close to 100?</a>
<a href="#">Keeping Track</a>	<a href="#">Shape Frames</a>	<a href="#">Kandinsky Math Art</a>	<a href="#">A Hundred Billion Stars</a>	<a href="#">Ultimate Tic-Tac-Toe</a>



## Math Poetry

*Math is Me  
Math can inspire.  
Math can inquire.  
Math does not require those who know,  
but those who understand.  
Math is me.  
--- Brooke Johnston, Notre Dame Preparatory School  
2019 AMS Math Poetry Contest Winner*

Many forms of poetry use numeric formulas. The formulas usually indicate a prescribed number of syllables that the define the type of poem, or poetic form used. For example:

- *haiku*. A haiku is a poem of three lines and a total of 17 syllables: five syllables on the first line, seven on the second line, and five on the last line.
- *sonnet*. A sonnet is a poem of 14 lines, with 10 syllables on each line.
- *cinquain*. A cinquain poem is a verse of five lines that do not rhyme.
- *square*. A square poem has as many lines as syllables per line
- *snowball*. A snowball is a poem built from a sequence of lines whose whose syllable-counts increase (or decrease) by one from line to line.

Write an original poem using one of these forms - it doesn't have to be about math - or - create your own mathematical poetry form.

Adapted from  
<https://blog.education.nationalgeographic.org/2018/04/26/how-math-and-poetry-intersect/>

[Return to Activity Grid](#)

# Mead Public Library ~ Feedback

- \*easy to implement
- \*207 participants, mostly grades 1-3
- \*completion and bonus prizes were books (grant-funded)
- \*had to do some re-designing of the packets to make them print correctly
- + \*have used some activities in their storytime programs

The screenshot shows a library event page titled "SUMMER MATH ADVENTURE". On the left, it indicates the event is at "Mead Public Library" from "JUL- AUG 6 2023". The event is an "Ongoing Event" running from "07/06/2023 @ 8:00am - 08/06/2023 @ 5:00pm". Icons for a calendar, printer, and share are present. The "Program Type" is "Workshop" and the "Age Group" is "Kids". A light blue banner states: "Please note you are looking at an event that has already happened." Below this, a grey box says: "Registration for this event is no longer open. Allowed Grades: **Preschool to 5th Grade**". The "Event Details" section describes the Summer Math Program (May 30th - August 7th), mentions math challenges and prizes for preschool-fifth grade, and notes that registration is required. It also asks users to indicate their child's grade. At the bottom, it lists sponsors: Lakeshore Technical College and the Wisconsin Mathematics Council.

**SUMMER MATH ADVENTURE**

**JUL- AUG 6 2023** Mead Public Library  
Ongoing Event  
07/06/2023 @ 8:00am - 08/06/2023 @ 5:00pm

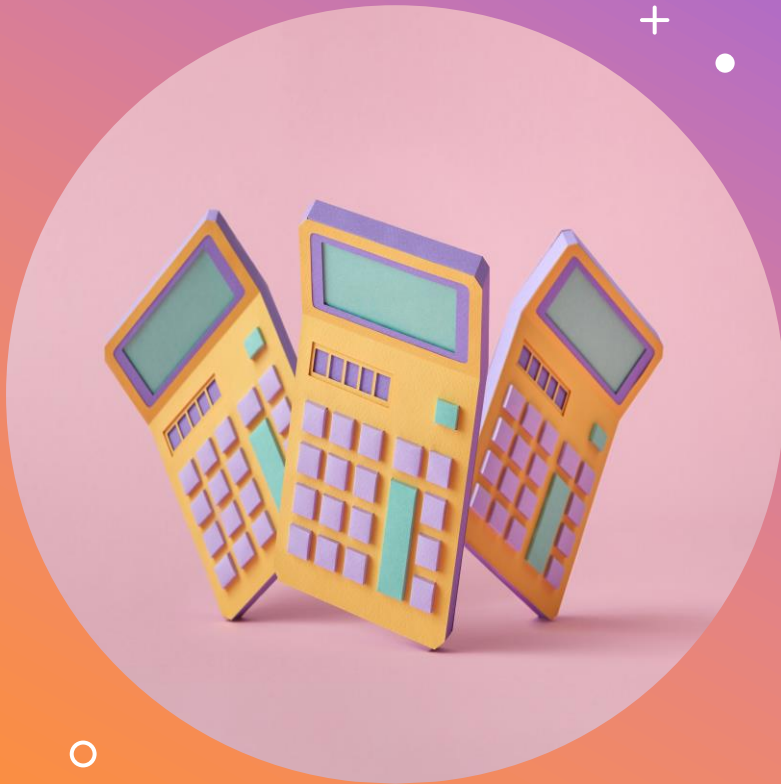
Program Type: **Workshop**  
Age Group: **Kids**

Please note you are looking at an event that has already happened.

**Registration for this event is no longer open.**  
Allowed Grades: **Preschool to 5th Grade**

**Event Details**  
Register for the Summer Math Program Here! May 30th - August 7th.  
Stay engaged with math all summer long with fun take-home math challenges and prizes. Open to kids entering preschool-fifth grade. Math challenge booklets will be available for pick-up on the third floor of the library starting on May 30th and ending August 7th.  
Registration is Required  
Please indicate what grade your child is entering

Sponsored by Lakeshore Technical College and the Wisconsin Mathematics Council



# LET'S DISCUSS!

Might your library be interested in offering?

Pros / Cons?

What could possible WVLS support look like?

\*hardcopies?

\*digital/Beanstack copy?

\*prizes?

\*kit at registration?

\*what else?