


# Lowell Public Schools Middle School SUMMER MATH 2025



Dear Guardian and Student,

Just like reading, regular practice over the summer with math will help your child prepare for entering the next grade. Please use the math activity list to have fun talking and doing mathematics together! Remember to always ask your child, "How did you figure it out?"

To use the math activity list:

- This summer, try to complete the number of activities recommended for your grade level.
- When you complete an activity, write down which activity you completed in the log on the back of this sheet. ([electronic form](#))
- Bring the log back to your new teacher in September.
- When you see this symbol,  choose 1 or more activities from page 2.

Some helpful materials to have around:

- Math notebook/Journal from the school year for reference
- A folder for these activities
- Blank paper
- Pencils
- A deck of playing cards
- Board Games

Another way to support the retention of math concepts and skills is to practice with online games and lessons. The following are recommended math websites:

<https://www.virtualnerd.com/>  
<https://www.khanacademy.org/>  
<https://solve.me.edc.org/>  
<https://www.coolmathgames.com/>  
<https://www.mathplayground.com/>  
<https://www.hoodamath.com/>  
<https://www.funbrain.com/>  
<http://www.softschools.com/math/games/>  
<http://www.coolmath4kids.com/>  
<http://www.mathsisfun.com/>

Have a great summer vacation!

Audrey Crawford-Rivera  
Math Resource Teacher  
Pyne Arts Magnet School

Activity #	Date Completed	Description of Activity
<b>Example</b>	7/2/24	Used shapes to make a 4 <sup>th</sup> of July picture... <i>or</i> prodigy game... <i>or</i> Close to 100
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		
#13		
#14		
#15		
#16		
#17		
#18		
#19		
#20		

## Summer Math Activity Log

Activity log for student entering grade \_\_\_\_\_. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in August. Or you may record your activities on [this electronic form](#).

Student's Name: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

## Get Ready for Grade 5



### Choice Activities



1. **Do iReady, ST Math, or any of your other favorite Math apps.:** Use your school device and/or school account to login to your Clever Account.

#### 2. Read a Cool Mathematics Book:

<i>The Phantom Tollbooth</i> by Norton Juster <i>Math Curse</i> by Jon Scieszka <i>Chasing Vermeer</i> by Blue Balliett <i>All of the Above</i> by Shelley Pearsall <i>The Man Who Counted: A Collection of Mathematical Adventures</i> by Malba Tahan	<i>The Number Devil</i> by Hans Magnus Enzensberger <i>Sir Cumference and the Dragon of Pi</i> by Cindy Neuschwander <i>Sir Cumference and the Sword in the Cone</i> by Cindy Neuschwander <i>The Grapes of Math</i> by Greg Tang <i>Math Potatoes</i> by Greg Tang
<b>Find Mathematics Books to Read Online at Epic!: <a href="https://www.getepic.com/">https://www.getepic.com/</a></b> Parents can sign up for free!	

#### 3. Use a cool mathematics website!

<a href="http://www.gregtangmath.com/games">http://www.gregtangmath.com/games</a> <a href="http://www.aaamath.com">www.aaamath.com</a> <a href="http://www.coolmath4kids.com">www.coolmath4kids.com</a> <a href="http://pbskids.org/games/measurement/">http://pbskids.org/games/measurement/</a> <a href="https://www.prodigygame.com/">https://www.prodigygame.com/</a>	<a href="http://www.mathplayground.com">www.mathplayground.com</a> <a href="http://www.primarygames.com/curriculum/math.htm">www.primarygames.com/curriculum/math.htm</a> <a href="http://www.funbrain.com">www.funbrain.com</a> <a href="https://www.ixl.com/math/">https://www.ixl.com/math/</a>
---	---

#### 4. Do a counting activity or game:

**Double Compare** – Deal all the cards out. Put the set of cards facedown. Both players turn over the top two cards and add them to find the sum. The player with the larger number gets all four cards. If they are the same number both players turn over another set of cards and the larger sum takes all. The game is over when there are no more cards to turn over. Whoever has the most cards, wins. (Like “War” but with adding two cards.)  
**Extension:** Instead of adding the two numbers together, subtract the smaller from the larger to get the difference. The person with the smallest difference gets all four cards.


















**Close to 20** – Deal 5 cards to each player. Place them face up in front of you. Which three cards add up to be closest to 20? Ex. You turn over the following cards 5, 4, 10, ACE, and 3, and your opponent turns over an ACE, 8, 7, 2, and 3. You can make 19 with the 5, 4, and 10 and your opponent can make 18 with the 8, 7, and 3. You win because 19 is closer to 20.

**Make Ten** – Like “Go Fish” but players ask for cards that add up to 10 instead of the same number. For example, someone with a 3 would ask if the other player has a 7.

**Play a board game or card game such as:** Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Connect Four, Legos, K’Nex, Yahtzee, Blokus, Quirkle, Monopoly, Trouble, Sorry, Set

## Get Ready for Grade 5: Math Activities

Complete at least 20 math activities this summer. Each time, choose an activity from the boxes below - or from the back. Cross off a box when you do it and record the activity on your math log.

Count by 7s to 84. Count backwards by 7s to zero.	Choose from the back! 	Use the shapes you know to make a Fourth of July picture.	Count by 3 tenths to 30 tenths starting at 0 tenths.	Choose from the back! 
Do counting squats while you count from 289 to 321. Can you do it backwards?	Choose from the back! 	Choose from the back! 	Solve $236 + 450$ . Draw a picture to show your thinking.	Choose from the back! 
Count by 10s from 70 to 300. Now count by 5s.	Choose from the back! 	Choose from the back! 	Choose from the back! 	Use real coins or draw coins to show as many ways to make \$1 as you can.
Choose from the back! 	Find some rectangles. Measure to figure out the perimeter. Can you figure out the area?	Choose from the back! 	Make a story to go with $\frac{1}{4} + \frac{3}{4}$ .	Choose from the back! 
Write the numbers from 675 to 730.	Choose from the back! 	Choose from the back! 	Solve $674 - 392$ . Draw a picture to show your thinking.	Choose from the back! 
Choose from the back! 	Choose from the back! 	Measure 10 objects in your house using centimeters. What is the difference between the longest and shortest?	Choose from the back! 	Make a story problem that goes with $8 \times 7$ .