

Tomé Education LLC

Gotzee!

Kindergarten^{v1.1}

CCSS and Illustrative Mathematics® aligned math centers.

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Gotzee!TM

Created by Teachers.

Access to All Learners

Gotzee!TM is a reflection of our Pandemic era learning and the result of an amazing team of teachers, a graphic designer and a small town production studio.

Written with the youngest student in mind, each student facing sheet:

- Has been edited and revised by master teachers including a primary reading specialist.
- Uses OpenDyslexic font.
- Engages students with colorful, fun and dynamic graphics designed with young learners at the heart.

IMTM Facilitators, “Party People”, bring the math party everywhere they go with a passion for equitable and accessible math education. Masterful at their craft, their ideas and vision are sprinkled throughout the Gotzee!TM pages.

Initial drafts of Gotzee!TM were tried and tested by educators and students at Van Ness Elementary in DC, providing invaluable feedback.

Even our marketing and web design is the vision of a master music teacher and educator.

Bringing it all to life and packaging it all with a shiny bow is the local print artistes at Pixel Print and Post in St. Michaels Maryland.

Gotzee!TM is created by teachers. Minimizing your prep so you can focus on what you do best... inviting students to the math party!





Have you ever been in a book club? Can you imagine conversations about math challenges and logic puzzles in your friends' living room on a Friday night? I can! A world where we all see ourselves as math people and we gather socially to gnaw at the latest challenge just as we would gather to discuss the latest read on Oprah's Book Club. This is a Math Party and one that starts in your classroom.

It all began in the Spring of 2020. I had the opportunity to re-learn how to teach math over the miles and across Zoom. Teaching curious minds as young as five and as old as eight over the interwebs. We all became first year teachers again! The Spring of 2020 is when we showed up every day for our kids, providing an escape from the global uncertainty and an invitation to engage in math, to join the party. This was my tiny community contribution. I invited students to join the Math Party everyday and they laughed, smiled, worked hard and learned multiplication, word problems and even fractions! I still am not sure how this was possible. What I can say is that I insisted on only teaching with interaction from students. I didn't know how else to teach nor was I brave enough to record my lesson monologues. I taught synchronous lessons from day one. We played games, we explored and we learned together. Looking in the rearview mirror, I gotta say that was one cool Math Party!

At the same time, I was working with teachers nationwide to facilitate their school's curriculum shift to Illustrative Mathematics®. Since Spring of 2020, teachers have been doing the impossible yet making it possible...hybrid learning, remote instruction, teaching with both hands behind their back and learning a new math curriculum to deliver to their classes. Oh, this party was anything but fun at first...I won't lie. It was painful, for each and every one of us. Yet, by the end of the school year, something had shifted. "The kids are talking," even my reluctant math kid is participating," "every student has something to contribute," and "I can't believe how far they have come!" are just a few of the celebrations now heard at these professional learning events, aka Math Parties!

Gotzee!™ was born from this journey. From a desire to see more people at happy hour choosing to play card games, solve logic problems and a call to minimize your administrative prep time so that you can focus on what you do best, educating (and going to parties, of course).

Gotzee!™ is derived from the invitational, standards-aligned math centers of Illustrative Mathematics®. Gotzee!™ aligns with any math curriculum and is specifically mapped to CCSS and IM® grade level units of study. Gotzee!™ is a powerful intervention support tool, a resource to engage learners in the summer and in before and after school programs. It can also be used for your at home Math Party, like my mother-in-law, Mary, who is playing these centers with her grandson, Charlie.

At Gotzee!™ we embrace the IM® vision of a "world where learners know, use, and enjoy mathematics" and go one step further to envision a world where everyone is invited to and joins in the Math Party, even my sister.

*Welcome
Patricia*

Bingo	Stage 1	1
	Stage 2	5
	Stage 3	11
	Stage 4	11
.....		
Build Shapes	Stage 1	25
	Stage 2	25
	Stage 3	31
.....		
Check It Off	Stage 1	35
.....		
Connecting Cubes	Stage 1	39
	Stage 2	39
	Stage 3	45
.....		
Counting Collections	Stage 1	51
.....		
Find the Pair	Stage 1	55
	Stage 2	61
.....		
Find the Value of Expressions	Stage 1	67
.....		
Five- Frames	Stage 1	75
	Stage 2	75
.....		
Geoblocks	Stage 1	87
	Stage 2	87
	Stage 3	93
	Stage 4	97
.....		
Grab and Count	Stage 1	101
.....		
Less Same More	Stage 1	107
	Stage 2	107
	Stage 3	113
	Stage 4	113
.....		
Make/Break Apart Numbers	Stage 1	121
	Stage 2	121
.....		

Match Mine	Stage 1	page# 135
.....	Stage 2	135
Math Fingers	Stage 1	141
.....	Stage 2	145
.....	Stage 3	149
.....	Stage 4	155
Math Libs	Stage 1	163
Math Stories	Stage 1	175
.....	Stage 2	187
.....	Stage 3	199
Number Races	Stage 1	211
.....	Stage 2	217
Pattern Blocks	Stage 1	225
.....	Stage 2	225
.....	Stage 3	239
.....	Stage 4	245
.....	Stage 5	257
.....	Stage 6	271
.....	Stage 7	279
Picture Books	Stage 1	285
.....	Stage 2	285
.....	Stage 3	291
Roll and Add	Stage 1	297
.....	Stage 2	301
Shake and Spill	Stage 1	307
.....	Stage 2	311
.....	Stage 3	315
.....	Stage 4	321
Subtraction Towers	Stage 1	327

Tower Build	Stage 1	page# 331
.....	Stage 2	333
What's Behind My Back?	Stage 1	337
.....	Stage 2	343
Which One?	Stage 1	349
.....		



Notes...

Counting & Cardinality(CC)	stage#	Measurement & Data (MD)	stage#
Bingo	1, 2, 3, & 4	Connecting Cubes	1
Connecting Cubes	1, 2, & 3	Pattern Blocks	1
Counting Collections	1	
Find the Value of Expressions	1	Number & Operations	stage#
Five-Frames	1 & 2	Base 10 (NBT)	
Grab and Count	1	Make /Break Apart Numbers	2
Less Same More	1, 2, 3, & 4	
Math Fingers	1, 2, & 3	Number & Operations	stage#
Math Libs	1	Fractions (NF)	
Math Stories	1 & 2	None in Kinder	
Number Races	1 & 2	
Pattern Blocks	1, 2, 3, 4 & 5	Operations & Algebraic Thinking (OA)	stage#
Picture Books	1 & 2	Bingo	3
Roll and Add	1	Check It Off	1
Shake and Spill	1, 2, & 3	Find the Pair	1 & 2
Subtraction Towers	1	Find the Value of Expressions	1
Tower Build	1 & 2	Five-Frames	1 & 2
.....		Make/Break Apart Numbers	1
Geometry (G)	stage#	Math Fingers	3 & 4
Build Shapes	1, 2, & 3	Math Stories	2 & 3
Connecting Cubes	1 & 3	Roll and Add	2
Geoblocks	1, 2, 3, & 4	Shake and Spill	3 & 4
Match Mine	1 & 2	What's Behind My Back?	1 & 2
Pattern Blocks	1, 2, 3, 4, 5, 6, & 7	
Picture Books	3		
Which One?	1		

Notes...

IM Unit 1	stage#
Connecting Cubes	1 & 2
Geoblocks	1 & 2
Pattern Blocks	1, 2, & 3
Picture Books	1 & 2
.....	

IM Unit 2	stage#
Bingo	1 & 2
Connecting Cubes	1, 2, & 3
Geoblocks	1 & 2
Less Same More	1, 2, 3, & 4
Math Fingers	1 & 2
Math Libs	1
Math Stories	1
Number Races	1
Pattern Blocks	1, 2, & 3
Picture Books	1 & 2
Shake & Spill	1 & 2
.....	

IM Unit 3	stage#
Bingo	1 & 2
Build Shapes	1 & 2
Counting Collections	1
Geoblocks	1 & 2
Less Same More	1, 2, 3, & 4
Match Mine	1
Pattern Blocks	1, 2, 3, 4, & 5
Picture Books	1, 2, & 3
Shake and Spill	1 & 2
Which One?	1
.....	

IM Unit 4	stage#
Bingo	1, 2, & 3
Build Shapes	1 & 2
Counting Collections	1
Find the Value of Expressions	1
Match Mine	1

Notes...

IM Unit 4 (<i>continued</i>)	stage#
Math Fingers	1, 2, & 3
Math Libs	1
Math Stories	1 & 2
Number Races	1
Roll and Add	1 & 2
Shake and Spill	1, 2, & 3
Subtraction Towers	1
.....	
IM Unit 5	stage#
Bingo	1, 2, & 3
Check it Off	1
Counting Collections	1
Find the Value of Expressions	1
Five- Frame	1 & 2
Make/Break Apart Numbers	1
Math Fingers	1, 2, 3, & 4
Math Stories	1, 2, & 3
Roll and Add	1 & 2
Shake and Spill	1, 2, & 3
What's Behind My Back?	1 & 2
.....	
IM Unit 6	stage#
Find the Value of Expressions	1
Find the Pair	1 & 2
Five- Frame	1 & 2
Grab and Count	1
Make/Break Apart Numbers	1 & 2
Number Races	1 & 2
Subtraction Towers	1
Tower Build	1 & 2
.....	
IM Unit 7	stage#
Build Shapes	1, 2, & 3
Counting Collections	1
Find the Pair	1 & 2
Geoblocks	1, 2, 3, & 4
Grab and Count	1
Match Mine	1 & 2
Pattern Blocks	2, 3, 4, 5, 6, & 7
Shake and Spill	1, 2, 3, & 4
.....	

Gotzee!™ Materials...



2-Sided
Counters



Gotzee!™
Card Deck



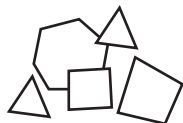
Connecting Cubes



Drawing/Writing Tool



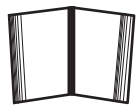
Cup



Pattern Blocks



Folder



Picture Books
(Optional)



Choose Your Own



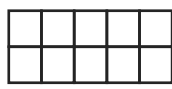
Solid Shapes



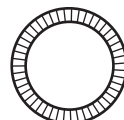
5-Frame



1 Inch Tiles



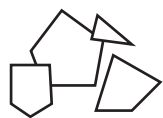
10-Frame



Paper Plates



Connecting Cubes:
Towers of 10 and
Singles



Geoblocks



Paper Bag



2 Six-Sided Dice



Base 10 Cubes



Materials listed are in addition to the Gotzee!™ student facing pages. They are suggestions. Use what you have, be creative and dig into the back of those closets! . #Gotzthriftyteachers

Gotzee!™ Representations...



5-Frame



10-Frame



Connecting Cubes

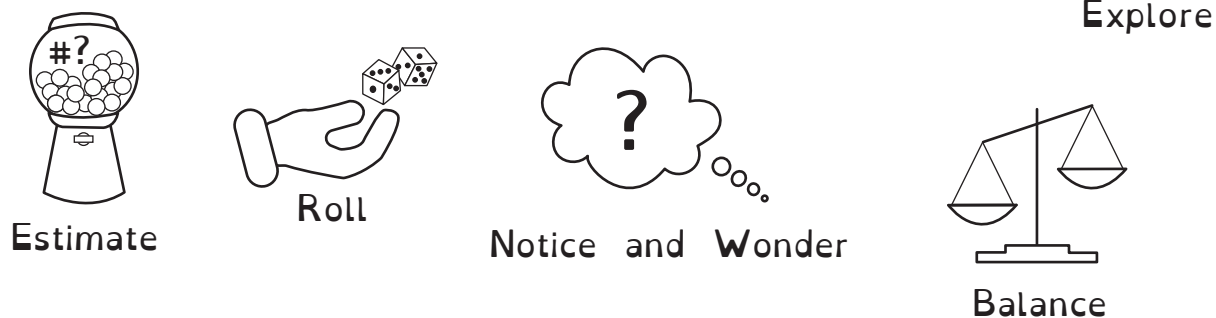
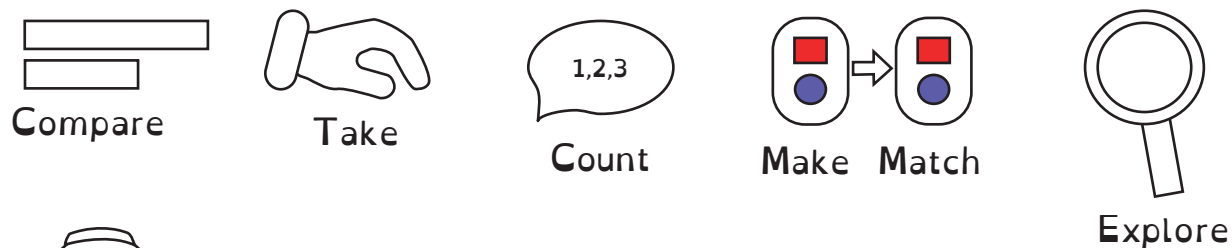
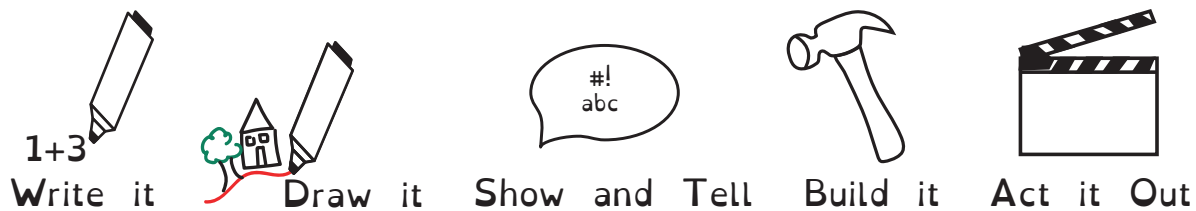


Tower of 10



Representations are drawn true to size on some student facing pages. Try out the Gotzee! vinyl mat for all your representations in one spot! #Gotzmathrepresents

Gotzee!TM Action Icons...



Notes...

Gotzee!™ Card Decks...



6 Decks of
Gotzee!™
Number Cards



3 Decks of
Gotzee!™
Image Cards



3 Decks of
Gotzee!™
Pics + Digits Cards



Missing a few cards from your deck? No worries, we Gotz' you covered!

Log in to
Gotzmath.com and download
replacement cards.
#wegotzyoucovered



Every child in every class room is a Maths Person! You know this, do your kids know this? Encourage a growth mindset in your math community. Share a mathematician highlight!
#gotzmathematicians

Gotzee!™ Mindset Messages...

- I got this!
- I'm modeling addition!
- I'm modeling subtraction!
- I know how many!
- Mathematician at work!
- I'm a strategic thinker!
- I'm a pattern detective
- I'm a maths person
- I'm a problem solver!
- I'm a flexible mathematician!
- I know greater and less than!
- I'm an Estimator!
- I see math everywhere!
- I see shapes everywhere!
- I know my 10s!
- I use my math words!
- I'm a shape detective!
- I make comparisons!
- I'm a flexible thinker!
- I'm modeling math!
- I can show my thinking in many ways!
- I'm an organizer!
- I can decompose numbers!
- I can write my numbers clearly!

Math Libs: Stage 1K

Draw 1 to 10

CCSS: K.CC.A.3 K.CC.B.5

Illustrative Mathematics Unit Map
Grade K: Units 2,4

Overview: 2 Players

Players draw scenes on a background writing the quantity represented. Monitor for numeral formation and fine motor skills. How do players answer how many objects are in the picture?

There is only one stage to this center.

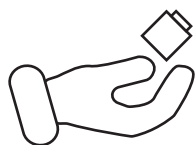
Each player has a Math Lib Card. Players take turns rolling a cube onto a Number Mat. Each player writes this number in the space provided next to one of the images on the Math Lib Card. They draw a scene to match the number of images on the Math Lib Card. Players take turns rolling until each image on the Math Lib Card has a number written next to it and all of the images have been drawn in the scene.

Materials:



Connecting
Cube

Action Icons To Model:



Roll



Write it



Draw it



Notice and Wonder



Math Libs: Stage 1K

Draw 1 to 10

CCSS: K.CC.A.3 K.CC.B.5

Teacher Notes and Observations

Name	Skill Demonstrating	Next Skill

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!



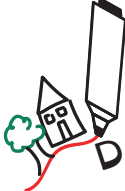
of Players
2

Materials: 
Connecting
Cube

Mission: Complete the picture by drawing how many of each!





How to Play:

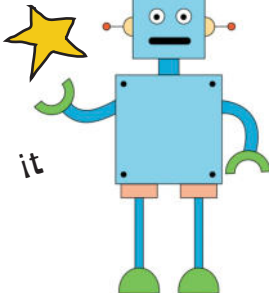
- Each player takes a Math Lib Card.
 - Player A: Roll a cube on the Number Mat.
 - Each player:
Writes the number rolled next to 1 image on the Math Lib Card.
- The number is how many of each image to draw on the picture.
- Repeat. Take turns rolling.
 - When all images on the Math Lib Card are drawn, trade Math Lib Cards. Keep playing.




Draw it

Math Lib Scenes

	 1
	



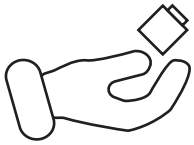


1+3
Write it

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!



Roll

Number Mat

3

9

8

4

5

7

1

6

10


2

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!

Math Libs: Card A


1+3
Write it

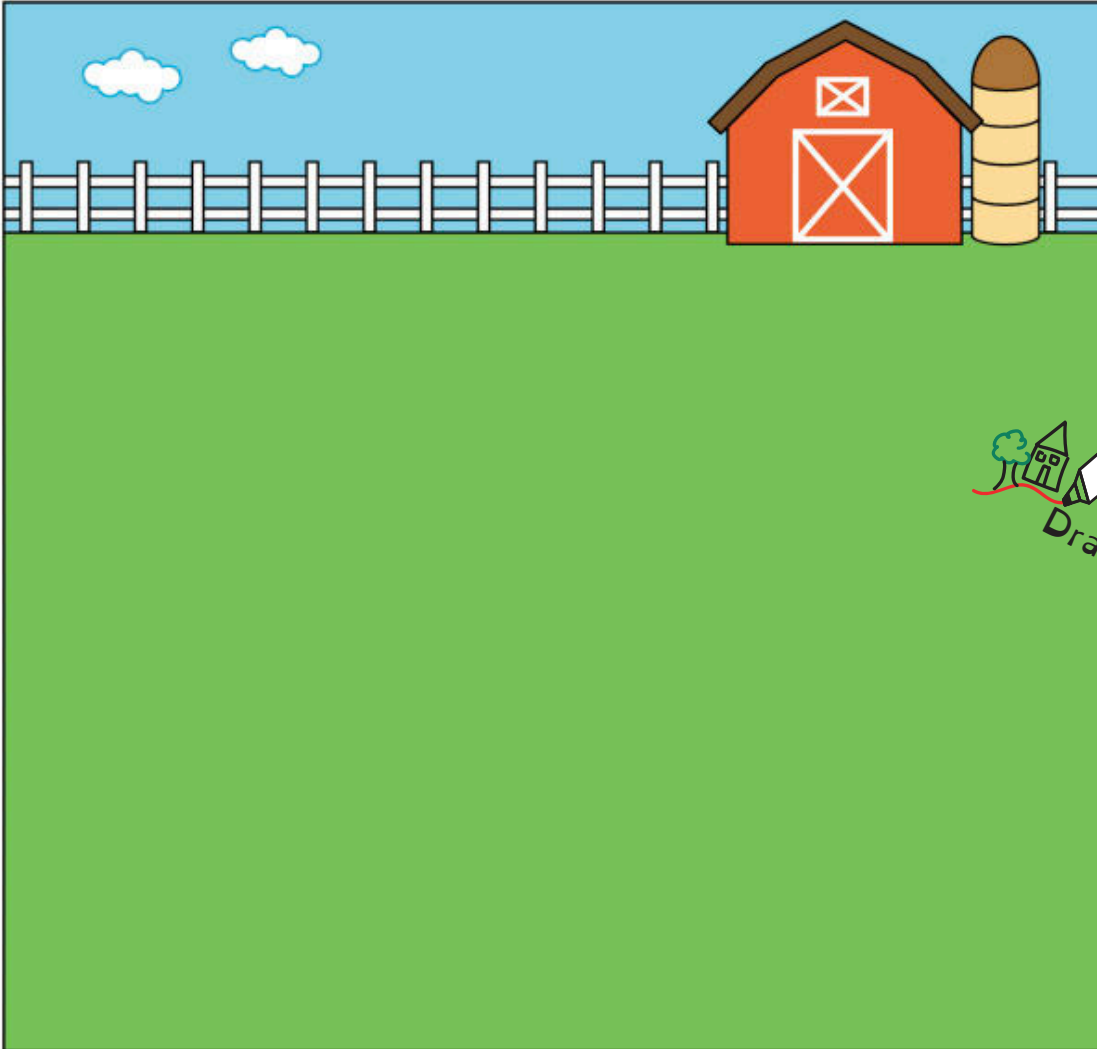
Math Libs Scenes









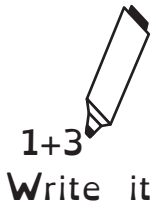


Math Libs: Stage 1K

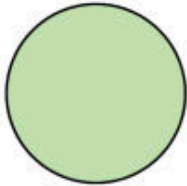
Draw 1 to 10

I am Modeling Math!

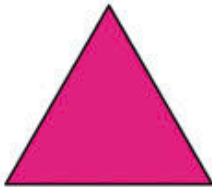
Math Libs: Card B



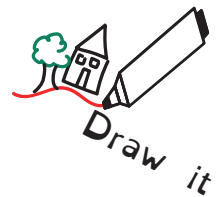
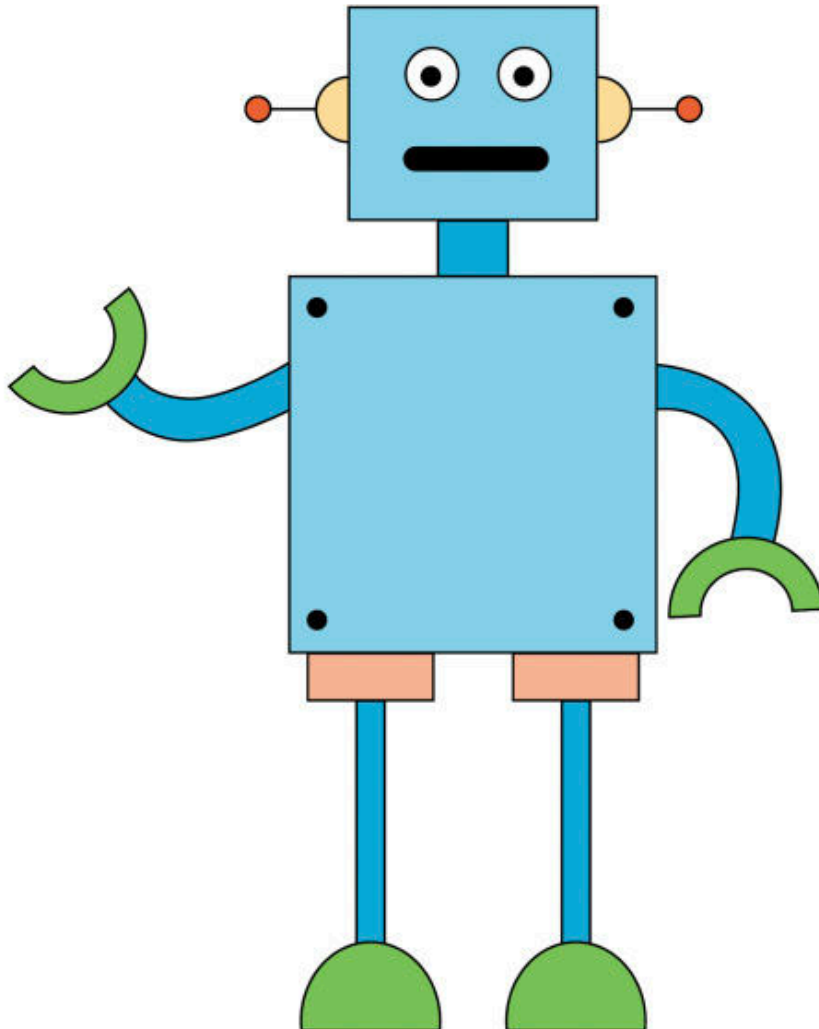
Math Libs Scenes











Math Libs: Stage 1K

Draw 1 to 10

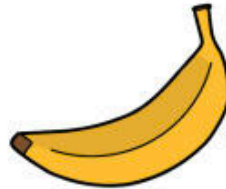
I am Modeling Math!

Math Libs: Card C

1+3
Write it

Math Libs Scenes










Draw it

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!

Math Libs: Card D


1+3
Write it

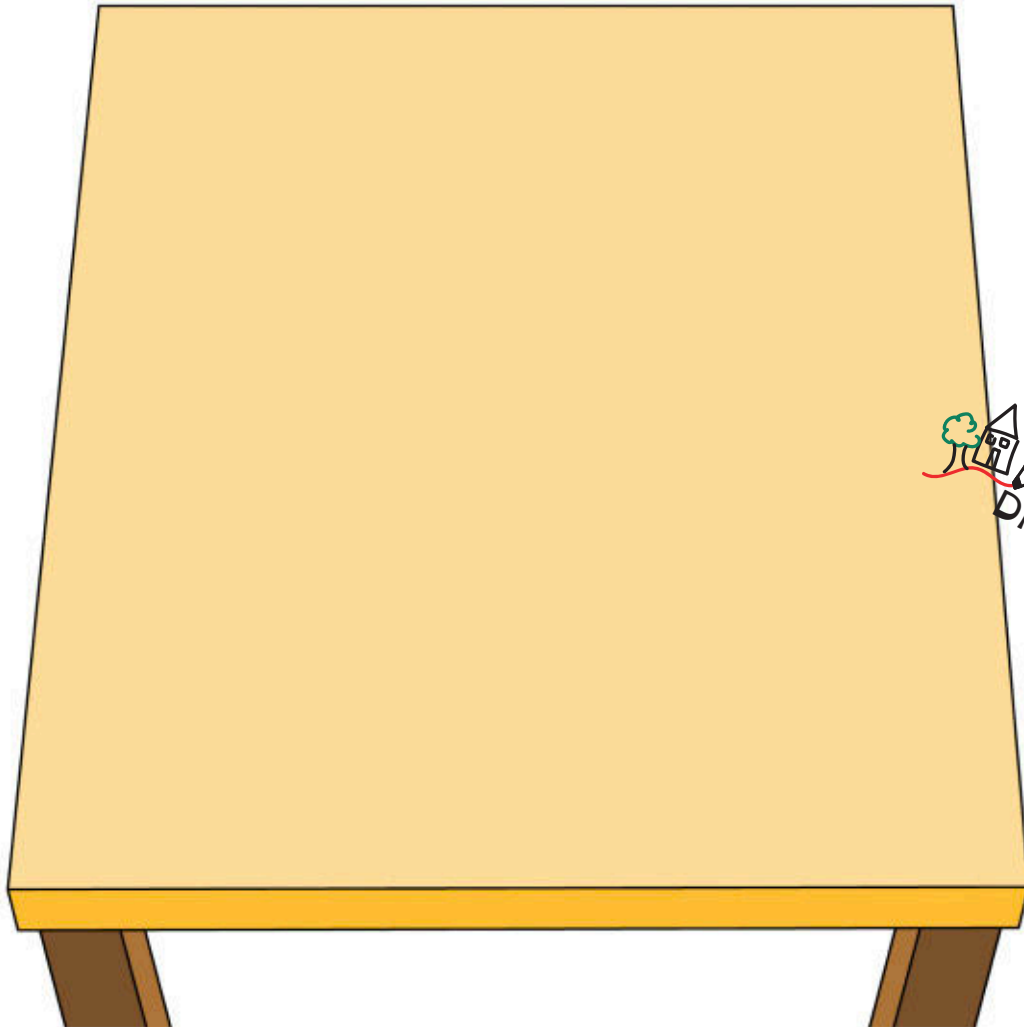
Math Libs Scenes














Draw it

Math Libs: Stage 1K

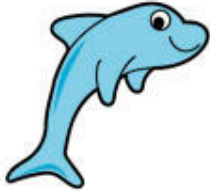
Draw 1 to 10

I am Modeling Math!

Math Libs: Card E


1+3
Write it

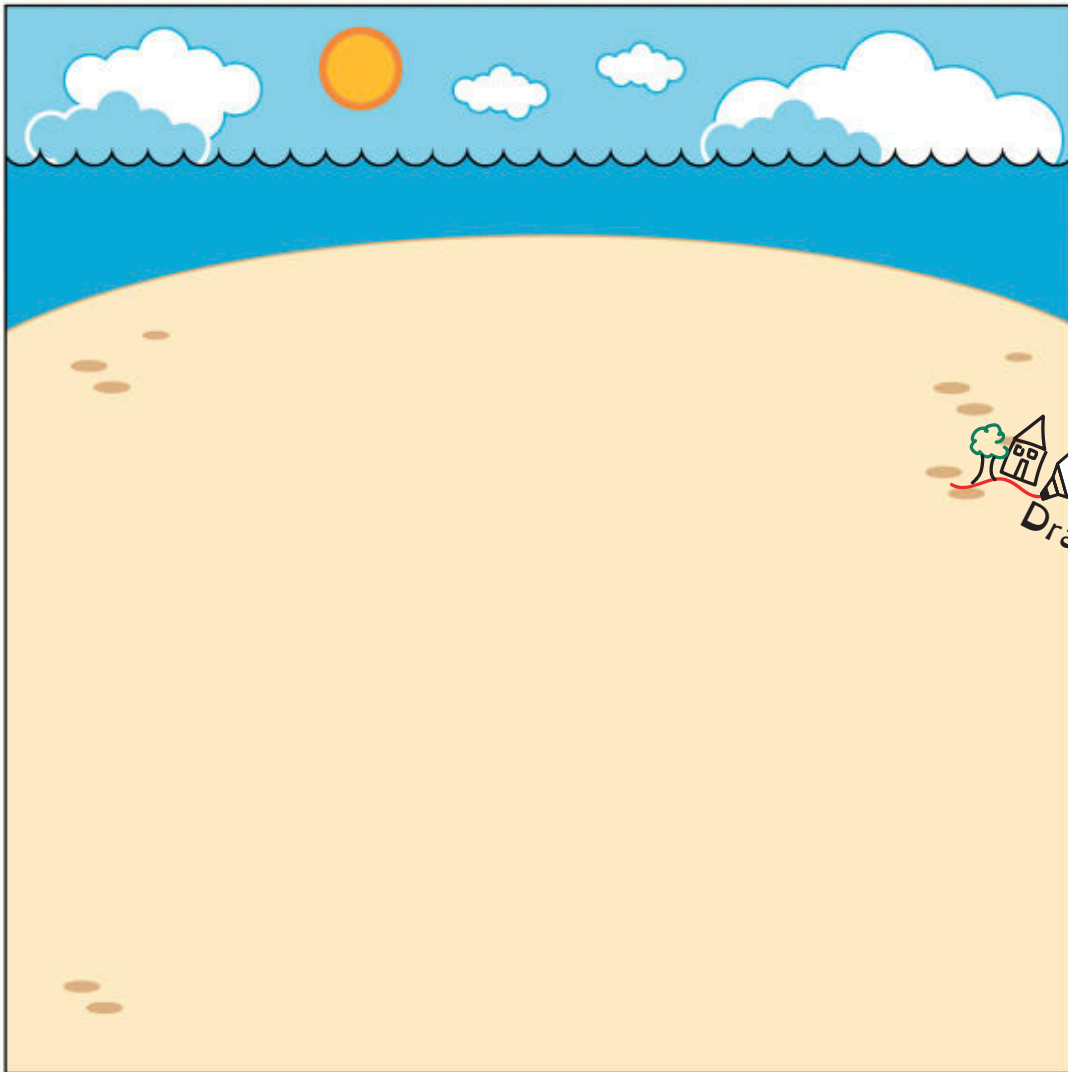
Math Libs Scenes













Draw it

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!

Math Libs: Card F

1+3
Write it

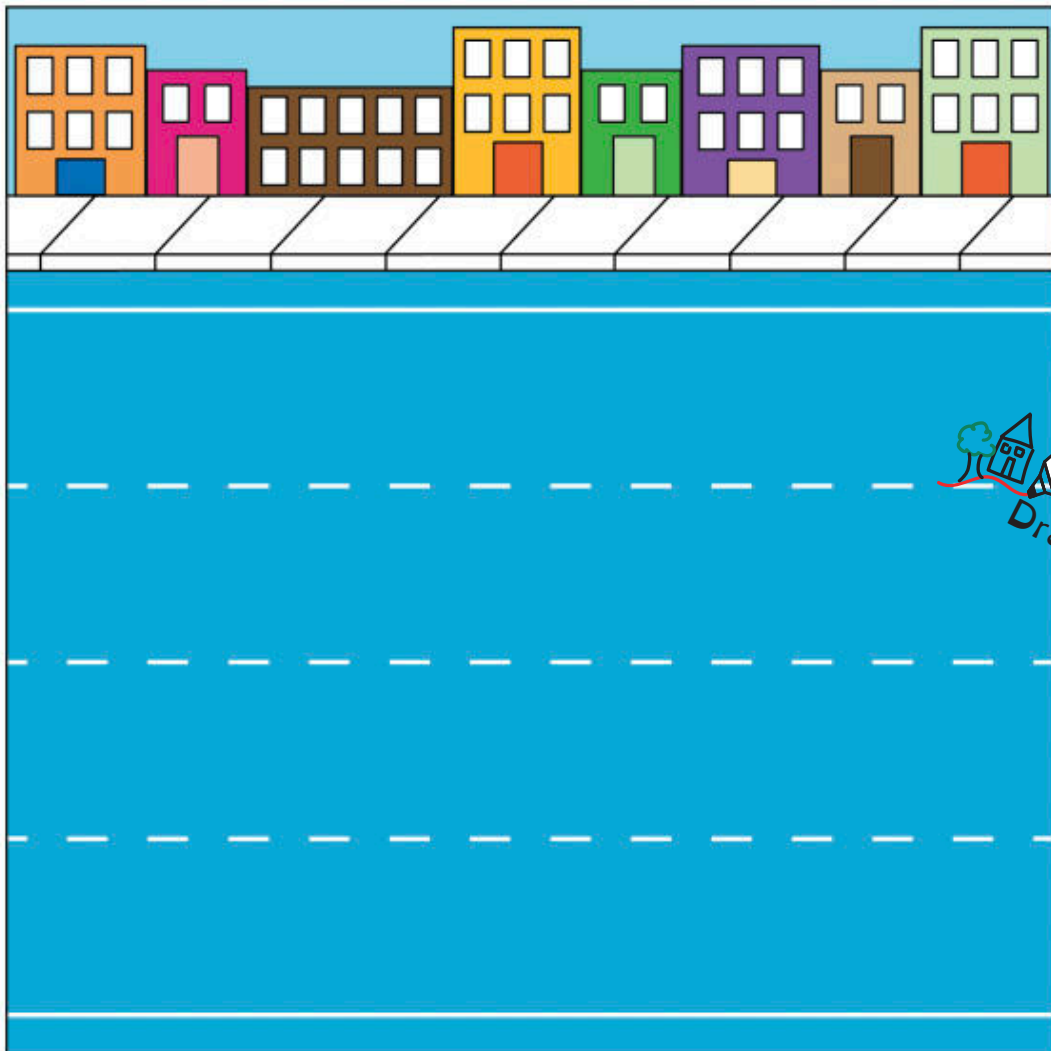
Math Libs Scenes











Draw it

Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!

Math Libs: Card G



1+3

Write it

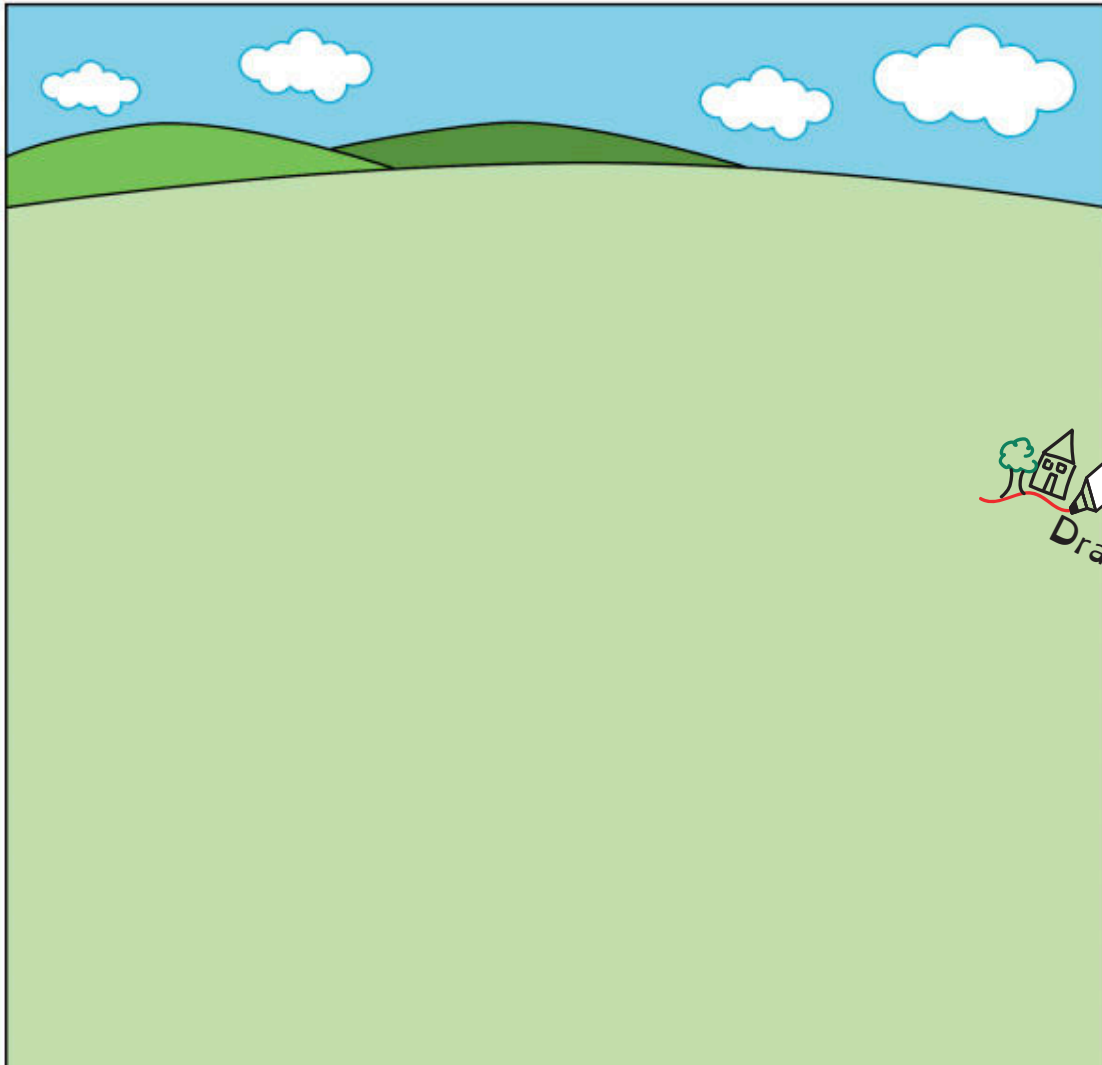
Math Libs Scenes







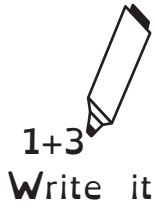




Math Libs: Stage 1K

Draw 1 to 10

I am Modeling Math!



Math Libs: Create Your Own!

Draw it