

Dear Parents,

You made it! Summer vacation is here and your job as homeschool facilitator is over. Brains need rest, so make sure to take time to have fun and disconnect from school. However, each student is expected to engage in fun and consistent math practice throughout the summer to avoid the summer slide. As the last two months of the year were taught in a distance learning model, the math units for the upcoming year have been adjusted to ensure that any concepts from this year are reviewed and solidified.

The pivotal learning goals in math this year were to master counting within 100, including counting on from a given number other than 1, counting and representing a quantity of objects, and to skip count by tens. Students also were expected to develop a foundation for place value and addition and subtraction. Working within 10, students became familiar with addition and subtraction structures and developed early strategies to solve these problems such as counting on their fingers, counting on or back, and drawing the objects. These goals are the foundation for the mathematics taught in first grade which expand their place value understanding within 100, develop more efficient addition and subtraction strategies, and become fluent with math facts within 10.

In order to retain these concepts and skills, practice throughout the summer is crucial. Below is a suggested schedule and resources for you to use to continue math practice at home. The goal is to have the girls retain the concepts from this year but also enjoy it. So the pace and pressure should be easy and manageable for both you and your daughter.

Summer Work Expectations and Guidelines:

Complete **1 - 2** problems from this packet each week. You also have the option to play DreamBox.

If your child completes the packet in June and doesn't solve any math problems for the rest of the summer, she will lose some very important concepts. This packet should be spread out to provide consistent practice.

Recommended Activities, Games, Websites, and Apps

Family Activities:

- Board games are a wonderful way for your child to learn turn-taking, game strategies, money, counting and perseverance. These are widely overlooked but critical to developing a strong mathematician.
 - Good games: Shut the Box, Blokus, Monopoly, Sorry, Mancala, Chess, 24, Muggins
- Measure, cook and bake with your child!

Games:

Acing Math - (Multiple Operations)
60 Math Games using only a deck of cards!

Dice Games:

<https://mailchi.mp/mathforlove/dice-games-for-math-at-home>

Websites:

Table Talk Math: a book and an account on Instagram

Bedtime Math: a resource for parents to do with their child

Youcubed.org: <https://www.youcubed.org/resource/apps-games/>

San Fran's ideas for home (books & activities):

<https://www.sfusd.edu/learning/resources-learning/continuity-learning/families>

Fluency:

<http://calculationnation.nctm.org/Games/>

Apps for fluency, problem-solving and math fun:

Motion Math

Name that Number - Also known as Target, using addition & subtraction to reach a target number

Kakooma - addition challenges in puzzle format

King of Math - Various types of math problems

Puzzles, logic, enrichment and problem-solving apps:

Math Munch: <https://mathmunch.org/>

Sumaze: <http://mei.org.uk/sumaze>

Math Doodles: <http://www.carstensstudios.com/mathdoodles/mathdoodles.htm>

Game about squares: <http://gameaboutsquares.com/>

Symmetry Artist: <https://www.mathsisfun.com/geometry/symmetry-artist.html>

Name: _____

Kindergarten Tasks for Summer Work

a. Put a handful of objects in a cup. Count the objects in your cup. Make another set of objects with the same number. Record your work below.

b. Mystery Bag – have someone make a bag of mystery objects for you. Show what was in your bag. Show how many.

c. Roll two dice and add them together. Make a set of objects to match your sum. Record and repeat.

d. At the zoo I saw 8 animal legs. Who might they belong to?

e. Roll two dice and add them together. Make a set of objects to show one more/one less than your sum. Record and repeat.

f. Luis had 9 apples. Some were red and some were yellow. How many were red? How many were yellow? Record.

g. Choose two dot cards. How many dots are on each card? How many dots altogether? Record and repeat.

h. How many different pairs of dot cards can you find to equal 5 (6, 7, 8, 9, 10)? Record.

i. Pick a starting number, count on from that number as high as you can.

j. Pick a starting number, count backwards from that number until you get to 0.

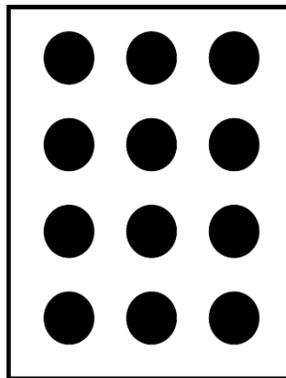
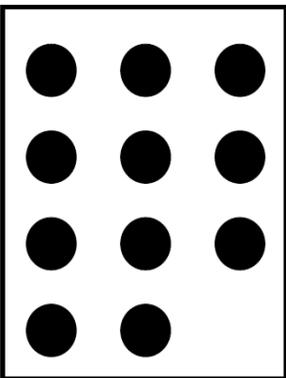
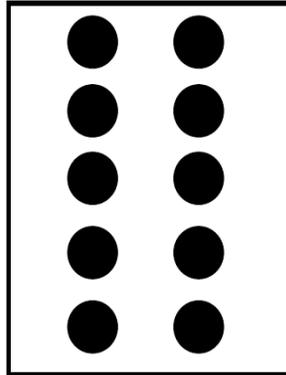
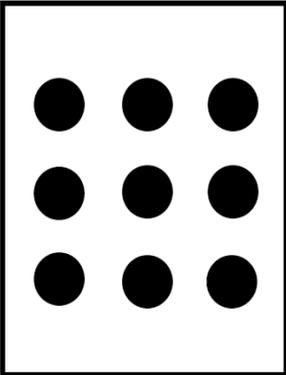
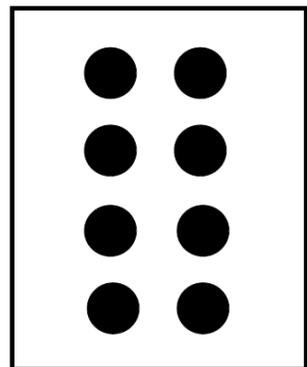
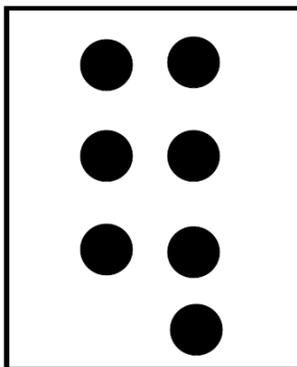
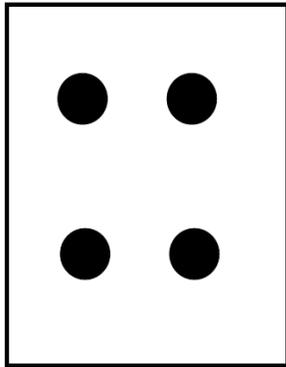
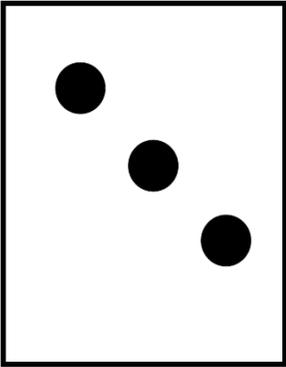
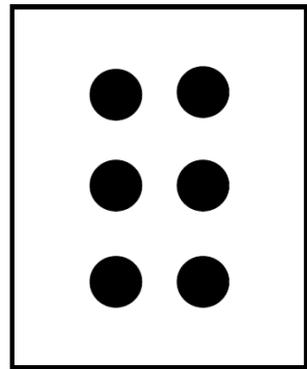
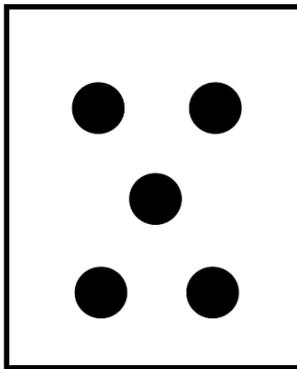
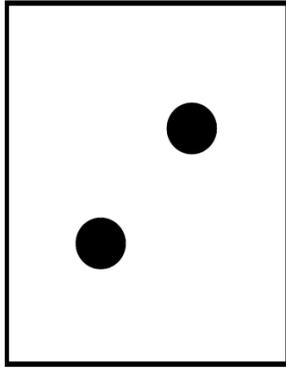
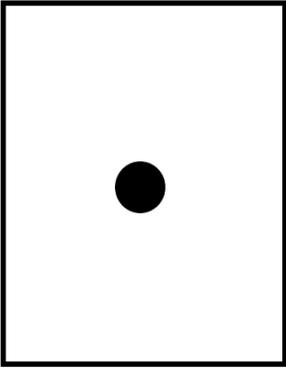
k. Cameron had 10 buttons. Some were green. Some were purple. How many were green? How many were purple? Record.

l. Roll 2 dice. Draw your dice and write a number sentence to show the total number of dice.

m. Choose an object to measure with paper clips. Measure the same object again with a different object.

n. Put a handful of different objects into a cup. Sort the objects in your cup. Show how you sorted the objects and how many are in each group.

Dot Cards (Print and cut out)



Number Cards (Print and Cut to Play Card Games)

0

1

2

3

4

5

6

7

8

9

10