Math Activity Choice Board for Grade 2
May 19th – 22nd

These activities are suggestions from which your child can choose when they are working on Math concepts throughout the week.

They do **NOT** have to complete them all.

Activity #1 (N9 B.B. A)	Activity #2 (N9 B.B. A)	Activity #3 (N6 Readiness C)
2- Digit Addition with Ten Frames	**2-Digit Addition with an Open Number Line**	Estimation Readiness
Continue to practice 1-and 2-digit addition. When ready, watch the **new** video on *Modelling 2-digit addition with Ten Frames and Number Sentences* on the website (Math at Home May 19th– 22nd) to help you.	Watch the companion video on our website *Modelling 2-Addition with an Open Number Line* (Math at Home May 19th–22nd).	You will need an adult or older sibling to help you with this activity. Watch the video *Estimating with Referents of 5 and 10* (Math at Home May 19th– 22nd) to help you.
To practice 2-digit addition, use a deck of playing cards to generate your addends (i.e., the numbers you add together to find the sum). **Be sure to remove the face cards and 10s. Remember that Ace = 1.** Shuffle the cards and place them in a pile face down in front of you. Flip over the top 4 cards from your pile. Combine the first 2 cards to make your first 2-digit addend and the next 2 cards will be your second 2-digit addend. For example, if you draw the numbers 3, 5, 4 and 9. The digits 3 and 5 will become 35 while 4 and 9 will become 49. You will record the number sentence as:	**Remember that this is the next step as we begin to move away (when you are ready) from concrete materials (ten frames) for addition.** Again, use a deck of playing cards as described in Activity 1 to generate your addends for practice. **Remember to remove the face cards and 10s and that Ace = 1.** For each addition equation you create, draw an open number line to model the steps you use to find the sum just I modelled in this week's video. You will also need to record the steps symbolically (using number sentences) just as I did as well. Repeat the activity at least four more times. Come back and try again on another day for addition practice.	**Materials:** A group of small objects such as dry cereal, blocks, LEGO bricks, rocks or pebbles, etc. **Referent of 5** Make one group of 5 using your objects. Then grab a small handful of the same objects. Look at your group of 5 and **without counting**, estimate how many objects are in the other set. Can you give another reasonable estimate? Keep your group of 5 as your referent and take a new handful of objects and repeat, estimating how many are in your new group. Repeat several times.
$$35 + 49 = \underline{\qquad}$$ Then find the sum using the strategies I demonstrated in the video and repeat at least 4 more times.	*If this is tricky, go back and continue to practice 1- and 2-digit addition from last week to get you warmed up! You can watch my videos as many times as you like to help you!	**Referent of 10** Make a group of 10 of your objects. Now use it as your referent as you grab a new handful of objects and continue to estimate how many there are without counting.

Activity #4 (N4)
Obstacle Course

This is a great activity for outside. You may need an adult or partner to help you read the instructions but you can do it on your own.

Use the instructions below to complete an obstacle course consisting of tasks using numbers 1-10.

1. Run/Walk and touch **one** tree.
2. Walk around your home, yard, etc. **two** times
3. Hop on one foot **three** times. You are not done! Hop on the other foot three **times**.
4. Take Giant Steps to find **four** rocks that will fit in your hand.
5. Hop like a frog **five** Times
6. Find **six** Leaves
7. Do **seven** jumping jacks
8. Run on the spot while you count to **eight** forwards and backwards
9. Write the number **nine** using items from nature.
10. Pick up **ten** pieces of garbage.

Get someone to take a photo or video of you while doing this and send it to me!

Activity #5 (N9, N10)
Three Block Towers

This is an activity you can do on your own.

Materials:
Paper, pencil, blocks (or other stackable items) in different (3-5) colours

*If you don't have blocks, you can use LEGO or Mega Blocks or even cardboard boxes from the recycling bin that are the same size, You might want to paint them or at least mark them with a different picture or symbol so you can tell them apart.

Three Block Towers
Make as many different towers as you can using three different coloured blocks. If you don't have coloured blocks, use whatever you have at home that will stack (LEGO, Mega Blocks, etc.). Draw and colour a picture of each tower you make to show all the different combinations you used.
Stretch Learning: Try it again with 4 different coloured blocks or even 5. How many different combinations can you make? Can you explain how you know you have found all the different combinations?

Check out this link to a website & video that explains how to do it:
https://www.youcubed.org/resources/three-block-towers-k-8-video/

Activity #6 (N9, N10)
Stacking Up

This is an activity you can do on your own.

Recreate these blocks by writing each of the numbers on a separate piece of paper or POST It notes. That way you can move them around to help you solve the puzzle.

Arrange these numbered blocks in stacks of 3 so that the sum of the numbers in each stack is the same as the sum of the other stacks.
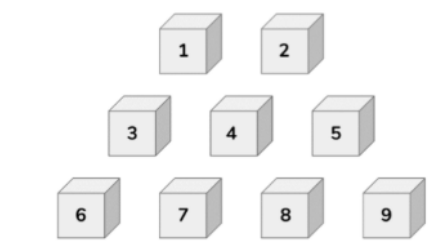
This is tricky and will take more than one try to figure it out! Don't get discouraged.

If you try this, be sure to send me a photo of your solution so I can see how you did it!

Stretch Learning: Pyramid Puzzle

Each number in the pyramid is the sum of the two numbers below it. Fill in the missing numbers in the pyramid. Numbers may be repeated.

Pyramid 1:

Row 1: 20

Row 2: [ ], 12

Row 3: 3, 5, [ ]

Row 4: [ ], 2, [ ], [ ]

Pyramid 2:

Row 1: 50

Row 2: [ ], [ ]

Row 3: 17, 10, [ ]

Row 4: [ ], 2, [ ], [ ]