

Math Activity Choice Board for Grade 1

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)

Representing Addition Concretely with Ten Frames

Check out the video *Representing Addition Concretely with Ten Frames* on the website (Math at Home: May 19th– 22nd). You can also check out the companion video *How to Make a Ten Frame* to help you get set up for practicing modelling addition with concrete tools.

Remember that you can use any small items you have around the house as counters for your ten frame such as dry cereal or beans, LEGO bricks, etc. You may want to use two different kinds or colours just as we use two-coloured counters in the classroom to better help you.

Try to use your ten frames to model the addition problems along with me in the video to get you warmed up and ready for Activity 2 in which you get to try your own!

Activity #2 (N10 B.B. A)

Representing Addition Concretely with Ten Frames: Make Up Your Own Story Problems

This activity is great to do over and over and can be done on your own or with a sibling or adult. Get your ten frame and counters that you made for Activity 1 so you can model the problem. Keep them for future use.

Make up your own story problems using the names of your family members and objects from around the house that you might be using that day (i.e., toys, food, items of clothing, etc.). Be as creative as you like! If you would like to write some down and show me in a picture, I would love that!

Use the following as a template to help you get started:

Joining Story

(Name) has (number) (object) and (name) has (number of the same object). How many do they have all together?

Missing Part Story

(Name) has (number) (object) but would like to have (number). How many do they need to get?

Activity #3 (N6 B.B. A)

Estimate by Comparing (to a known quantity or referent)

This is a partner activity.

Draw a large number line from 0-20 with chalk outside on pavement. Be sure to leave enough space between your numbers that you can stand on each one while still being able to clearly see the others.

Have your partner or adult tell you to stand on a given number such as **8**. Then have them ask you, ***Are you closer to zero or closer to ten?*** Repeat the activity several times using numbers up to 20. If your number is between 11 and 20, have your partner or adult ask you, ***Are you closer to ten or closer to twenty?***

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 (N8) Three Block Towers

This is an activity you can do on your own.

Materials:

Paper, pencil, blocks 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 (N8) NIM Game

This is a partner activity.

Materials:

10-20 coins or other small objects like dry beans or LEGO bricks

How to Play:

Place a small group of 10-20 coins or other small objects between two players. Players take turns removing one or two coins from the group and stating the number of objects remaining once the coins have been removed.

You must take at least one coin on your turn, but you may not take more than two. Whoever takes the last coin (or object) is the winner.

Another Stretch Learning Opportunity:

Have students use their logic to solve the value in the last row.

$$\text{Raccoon} + \text{Raccoon} = 10$$

$$\text{Raccoon} + \text{Owl} = 8$$

$$\text{Owl} + \text{Panda} = 7$$

$$\text{Raccoon} + \text{Panda} = ?$$

$$\text{Wolf} + \text{Wolf} = 10$$

$$\text{Wolf} - \text{Lion} = 1$$

$$\text{Eagle} - \text{Lion} = 2$$

$$\text{Wolf} + \text{Eagle} = ?$$