

## Math Activity Choice Board for Grade 2

May 25<sup>th</sup> – 29<sup>th</sup>

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. B)

#### 1- and 2-Digit Subtraction with Ten Frames and Number Lines

When ready, watch the **new** video on *Modelling 1- and 2-digit Subtraction with Ten Frames and Number Lines* on the website (Math at Home May 25<sup>th</sup>- 29<sup>th</sup>) to help you.

To practice 2-digit subtraction, use a deck of playing cards to generate your minuends (i.e., the numbers you subtract to find the difference). **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 a 2-digit minuend and then flip only 1 card which will be your second minuend. For example, if you draw the numbers 3, 5, and 9. The digits 3 and 5 will become 35 from which you will subtract 9. You will record the number sentence as:

$$35 - 9 = \underline{\quad}$$

Then find the difference using the strategies I demonstrated in the video and repeat at least 4 more times.

### Activity #2 (N9 B.B. C)

#### Create Your Own Story Problems: Addition

**Continue to practice 1-and 2-digit addition by creating and solving your own story problems.**

Watch the new video **Create Your Own Story Problems: Addition** (Math at Home May 25<sup>th</sup>-29<sup>th</sup>).

You can use a deck of playing cards to generate numbers for your story problems. **Remember to remove the face cards and 10s and that Ace = 1.**

Place the cards face down in a pile in front of you. Draw the top two cards to create a 2-digit number (i.e., if you draw 2 and 3, your number is 23). Decide if that number will be your addend (part) or the sum (whole). If you use 23 as the part, make up a situation in which you have 23 of something and you want to add more (you can choose another card or two or just choose your own 1-or 2-digit number for your other addend) such as 35. Your number sentence would be: **23 + 35 = \_\_\_\_**. Then use your strategies to solve it! Repeat several times and try using the number as your sum (or whole)!

### Activity #3 (PR3)

#### Equal or Unequal

**You can do this activity on your own.**

Watch the videos *Equal and Unequal: Balance Scales* and *Equal and Unequal: Counter Activities* (Math at Home May 25<sup>th</sup>- 29<sup>th</sup>) to help you.

You will hear Mrs. Blanchard's voice as we are sharing this week. If you have a printer, you can download the activity page to complete if you wish.

You can also try the following:

Have an adult give you two sets of 25 small objects (dry cereal or pasta). Are the sets equal or unequal? Show and explain to the adult how you can make them unequal.

Have an adult give you three sets of small objects (any number) in which two groups are equal and one is not. Figure out which of the three sets is not equal to the others and tell how you know.

### Activity #4 (NI) Skip Counting Problems

This activity will look at skip counting forward and backwards by 2s, 5s and 10s to 100. Use a number line or hundred chart to help you.

**See links to both on our website.**

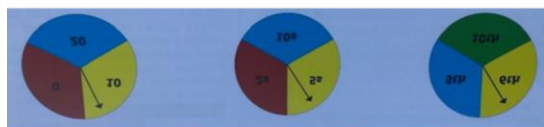
1. I start at 0 and skip count by a number. If I say 15, what number might I be skip counting by? What number am I NOT skip counting by? How do you know?
2. Imagine your friend started at 20 and skip counted by 5s. Name a number they would say early in the skip-counting pattern. Name a number they would say later on.
3. Count backwards from 40 by 2s. What is the fourth number you say? How did you get there? Repeat this by skip counting backwards from 40 by 5s and then by 10s. Record the fourth number you say each time.
4. Choose 2, 5 or 10. Use a number line or hundred chart to skip count backwards from 50 by the number you chose. What patterns do you notice? Repeat by skip counting by a different number.

### Activity #5 (NI) Skip Counting Spinner Game

**This is a partner activity.**

**Materials:** spinners, paper clip, pencil, scrap paper to keep score, number line or hundred chart (if desired)

For this game, you will have to make 3 separate spinners like the ones shown in the photo.



To make the spinner, place a paperclip in the middle of the spinner underneath the tip of a pencil. The first spinner tells you whether to start at 0, 10 or 20. The second spinner tells you whether to skip count by 2s, 5s or 10s. The third spinner tells you whether to write the 5th, 6th or 10th number in your skip counting sequence.

#### How to play:

Play in pairs. Both players spin the spinners and skip count as indicated. The player with the lower number wins a point. The first player to get 10 points wins.

(Source: Open Questions for Rich Math Lessons p. 67)

### Activity #6 (N9, N10, PR4) 18 Fish

**This is an activity you can do on your own.**

This activity will look at all the different ways you can make 18 in two parts.

***If there are 18 fish and two aquariums, what are all the different ways that the fish can be placed in the two aquariums?***



$$18+0 = 18$$



$$13+5 = 18$$

You can either draw all the different combinations to 18 or can use 18 items (dried beans, little toys, coins) as fish to move between two different plates, bowls or circles as aquariums as shown above.

#### Steps:

1. You should first estimate how many combinations you think will have.
2. Move or draw items into each aquarium and record the number sentence that your fish represent  
( \_\_\_ + \_\_\_ = 18 or 18 = \_\_\_ + \_\_\_ )
3. Keep track of how many ways. Do you notice a pattern? How do you know you found all the ways?

## Stretch Learning Opportunities:

### NI

- 1) Use a number line or hundred chart to list numbers you say when you skip count by 2s and by 5s starting from 0. Name some numbers that are on both lists. Name some other numbers that are on only one list.
- 2) Choose a number that doesn't end in 0 and skip count by 10s from that number. Place three numbers from your counting pattern on a number line. Explain how you knew where to place the numbers. Repeat for other starting points (numbers).
- 3) If 2 students are counting -one backwards by 10s from 100 and one forwards by 5s to 100, what numbers will they both say? Try this with a partner and record the common numbers.

## Additional Resources

<https://www.mathlearningcenter.org/resources/apps>

This is a great resource for on-line manipulatives. Students can manipulate and play with pattern blocks, ten frames, number lines. This link has free apps so once downloaded they would be especially easy to manipulate on an iPad or touchscreen.

<https://www.free-training-tutorial.com/math-games/skip-counting-squares.html>

Students can practice their skip counting with this game.