Communication ♥ Collaboration ♥ Critical Thinking ♥ Creativity ♥ Contributing ♥ Competent ♥ Conscientious ♥ Courageous

NORTHERN ELEMENTARY

WHERE POLAR BEARS LEAD BY EXAMPLE

GRADE THREE - MATH ACTIVITIES

Thank you so much for taking the time to learn at home! These activities are not required, but we know our Team 3 Learners are leaders, so here we go! Record your work in the notebook sent home on Friday, 3/13/2020.

Please include a heading and date on each notebook page/task you chose to do. We cannot wait to reflect back on the many discoveries and learning experiences you made while away!

-Team 3

MATHEMATICS PRACTICE

- **Fact Fluency**
  - **Flash Facts:** Set a timer for 2 or 3 minutes. Think of a fact table you are currently working on to master. Write the number sentences/facts for every fact in this table starting at 0 and ending with 12 over and over again until your time is up. It is NOT about how many you get done, it is about how many you solve accurately. Practice. Practice. Practice.
  - **Roll & Solve:** Using two dice, roll to determine your two addends and factors. Write your numbers down as an addition sentence and multiplication sentence. Using fact families, determine what the number sentence would be in both subtraction and division. Record your number sentences for all four operations in your notebook.
    - Challenge: Up for a challenge? Do this daily with a two minute limit. See how many you can solve and record in under two minutes. Can you beat your high score?!
    - Example: 3 + 4 = 7 7 - 4 = 3 3 x 4 = 12 12 ÷ 4 = 3
  - **Xtra Math:** Log into your Xtra Math accounts to practice facts daily! Contact your child's teacher if you need log in instructions.

- **Place Value**
    - **Place and Value**: Using a deck of face cards or dice, create a two, three, or four digit number. Use this sentence stem to identify the place and value of each digit: "The ___ is in the _____ place and its value is _____!"
    - Compare: Compare two numbers using <, >, and =.
    - Order: Order a set of numbers from least to greatest or greatest to least!
    - Add and Subtract: Use place value to line up two numbers, add them, and then subtract them!
- **Time**
    - **Time Log**: Create a daily log of the main events/activities you do throughout the day. Stop & jot down the time you started and the time you ended.
    - **Elapsed Time Exercise:** Let's see how long it takes you to do your daily exercise! Be sure to jot your start and end time down in your notebook.
        - MWF: 20 jumping jacks, 8 push ups, 20 jumping jacks, 15 high knees, 25 arm circles, 20 jumping jacks, 10 toe touches
        - TuTH: 5 push ups, 25 arm circles, 40 jumping jacks, 10 squats, 8 crunches, 5 jumping jacks
- **Money**
    - **Home Store:** Create a store using items in your home. Give each item a price. Ask a family member to buy some items from you! Total how much his/her items cost and then based on how much money they'd be paying with, determine how much change s/he should receive! Create a receipt for your customer in your notebook!
- **Fractions**
    - **Lego my Fraction!** Using legos/apple slices/candy/etc, create fractions from a whole and set. Record & draw the fractions you created in your notebook!
    - **Scavenger Hunt**: Find examples of fractions around your home. Create a fraction with a numerator and denominator and then label your fraction as a whole or as a set. For example, I have 6 pillows on my family room couches. 2 of the pillows are yellow, so I can write a fraction of a set representing the yellow pillows: 2/6!

- **<u>Measurement</u>**
    - **Length:** Measure around the room! Using a ruler measure the length of different things that could be under 12 inches. Record those in your notebook. Step it up and use measuring tape (with parent permission & help!) to measure the height of a chair, the length of your bed, or a mirror in your house!
    - **Capacity:** With parent permission, explore any measuring cups you may have in your kitchen. Compare the amount of water that would be ¼ of a cup to ¾ of a cup. How many cups of milk does it require to make pancakes/cake/or any baked good box that you can find in your pantry?
    - **Capacity**: What are some recipes you bake or cook that require measuring something that is not a liquid? IE flour, rice, veggies, etc. Ask your parent/guardian for permission to explore a recipe book. Jot down the name of the recipe and what non liquid ingredient it needs!
    - **Mass/Weight I Spy:** Make a T chart in your notebook. On the left, record the food item and on the right record the grams of sugar or protein in it (serving size or whole container). Can you find items that have the following:
        - 3 g, 10 g, or 15 g of sugar?!
        - 1 g, 12 g, or 20 g of protein?!