Home Learning Activities: Week 3

Grade 7M – Mr. Methot

*I'm loving the participation and involvement of several students in the class on Microsoft Teams! It is great to see what many of you have been up to with your Home Learning and the wonderful things you have created. I will continue to provide weekly opportunities to share photos and/or videos with the group. Way to go 7M, I miss you all!

*I would suggest watching the videos in the Extras section first thing to help you before you get going. They will be helpful with this week's activities. We are focusing on **Understanding Percents (Pourcentages)**.

Monday

- **Brainpop:** There are lots of great educational videos and quizzes you can try. Feel free to explore the website as much as you want. You can use my account to gain access. Click on "se connecter" to log in. The username is Mr.Methot and the password is Raiders2020. Check out the subject "Sciences de la Terre" at the top of the homepage. Then on the next page click on "Sujets". Find the topic called "Tremblements de terre". There is a video you can watch and quiz questions you can try.

- **Netmath questions:** If you did not activate your account last week, here is the link you can use to activate your account: www.netmath.ca/activation. Once you click on the link, use the following class code: 63F8-4F48. Next, select the option 'Je n'ai pas de compte Netmath'. Part 3 will ask for your first name, family name, email (optional), password, and password again to confirm it. Fill in the necessary information and then press continue. After you sign into the site, you can change your background image and character. You will see on the homepage that there are some activities that I have selected for you to try.

If you activated your account last week, just go on www.netmath.ca and click on "login" at the top of the page. Type in your full name and password to log in. Like last week, you will see activities/lessons on your homepage that I've selected for you to try. You can always continue incomplete lessons from previous weeks if you want.

Tuesday

- **Puzzles + cards:** Here are a couple of new ones to try. You can always go back and revisit puzzles and card games from previous weeks that you enjoyed or want to complete.

    1. **Order of operations magic square:** Each row and column must add up to the same number (attached file titled "7M Carré Magique").

    2. **Proper fraction card game:** You will need a deck of cards and at least one partner to play along with you. First remove the jokers, jacks, queens, and kings from the deck. The ace will have a value of 1. Deal out 4 cards to each player. Each player will attempt to make the biggest proper fraction (fraction propre) they can using 2 of their 4 cards. Remember, a fraction equal to 1 such as 3/3 is an improper fraction (fraction impropre) and is not allowed. The player with the largest fraction earns a point. You can always confirm with a calculator if you aren't sure which fraction is larger by dividing your fraction. Then return all the cards back to the deck, shuffle them all, and deal out 4 cards to each player again to begin the next round. You can decide how many points you need to win the game (maybe 5 points?).

        For an extra challenge, you can try to take your proper fraction and turn it into a decimal number (nombre décimal) and then a percentage (pourcentage). For example, if your fraction is 6/8 = 3/4, then the decimal number is 0,75 and the percentage is 75%. Sometimes you

might only be able to make an estimation for these. For example, if your fraction is 3/7, this is a little less than 0,50 which is almost 50%.

Wednesday (Earth Day!) 😊

- **STEAM challenge:** Your challenge this week is to build an **anemometer** to measure wind speed and direction. There is some information and a link to a helpful website included in the attached file named "Défi de STEAM". I have included the English version of the document as well with the name "STEAM challenge". Be sure to use the third page for grades 6-8. And of course, I'd love to see your creations so feel free to share photos and/or videos on Teams with the class!

- **Numeracy activity:** Along with building your anemometer, let's think about how measuring wind speed can be applied to the math world. Using the table of average wind speeds by month in Bathurst, NB., calculate the mean (moyenne), the median (médiane), and the mode. This is included in the same files as above.

- **Earth Day checklist:** Since April 22nd is Earth Day, it's important to consider ways that we can be Earth-friendly, such as reducing our garbage output and electricity usage. In the same files again, there is a checklist at the bottom of the page listing many ways that you can help the environment.

  Think back as well to our discussion at school about water usage and how we can reduce the amount of water we are using on daily basis. I remember "length of showers" being a hot topic and a factor that most of the class identified as a way that they can save water. So what better day than Earth Day to challenge yourself to take a super quick shower to save loads of water! I'd love to hear about how you were Earth-friendly today/this week, and maybe even the time of how quickly you were able to shower!

Thursday

- **Netmath questions:** Continue with wherever you left off. If you happened to have completed all the activities/lessons that I've given you so far, then you can explore the website and find a new topic that interests you to try. Click on "Livres" on the left-hand side of the screen to find all the different math topics.

Friday

- **Percent sale activity**: For this you will need old flyers from around the house, or if you don't have any, you can search for them online. The idea is that you are looking for sales in the flyers, and then you will calculate the new sales prices to see how much you will be saving with each purchase.

  Maybe you are looking in a grocery store flyer and you see that yogurt is 20% off the original price (don't worry about the taxes with this activity). If the original price was 4,49$, and it is 20% off, what is the current sale price? If you are saving 20%, then that means you will only be paying for 80% (100% - 20% = 80%) of the 4,49$. To find 80% of 4,49$, you can change 80% to 0,80 and then multiply 0,80 by 4,49$. This gives you an answer of 3,592. Since we are dealing with money, you cannot have more than 2 digits after the decimal, so therefore you might have to do some rounding (arrondir). That makes the final sale price 3,59$. With the original price, along with the sale price you just found, you can now calculate the difference between the costs to see how much money you just saved with that purchase.

  Original price – Sale price = 4,49$ - 3,59$ = 0,90$. You just saved 0,90$. So therefore 20% of 4,49$ = 0,90$.

  Once you are comfortable with finding the sale price and how much money you saved on a particular item, you can take this a step further. A couple of ideas could be to plan a picnic or pick out a complete clothing outfit. You could find several food items on sale or several clothing items on sale in the flyers. Then once you know all the sale prices for your picnic or outfit, you can find a grand

total of how much total money you saved. I would love to hear on Teams about the picnic you planned, or the clothing outfit you picked out, or maybe even another theme you thought of, and how much money you were able to save altogether! 😊

Extras

- **Research question of the week:** Volcanoes can be classified as being active or dormant (inactive). **What is the difference between these groups of volcanoes, and what are the warning signs that a volcano is about to erupt?** We can discuss this question on Teams later in the week!

- **Fractions/decimals/percents:** Here is a video that shows examples of switching between a fraction, a decimal number, and a percent. They are all equal and just different forms of representing part of a whole.
https://www.youtube.com/watch?v=wSVnbruRG60

- **Percents:** Here is a video that discusses real-life situations where percents can be found. They are very closely linked to fractions.
https://www.youtube.com/watch?v=pD7WlDIupCc

- **PEMDAS song:** The exponents (exposants) part of the order of operations will be introduced in grade 9.
https://www.youtube.com/watch?v=yYLpIsY8G8E

Enjoy the Outdoors!

Keep Active!

https://twitter.com/gerritbosma9 https://www.prospects1500.com/top-50-lists/toronto-blue-jays-2018-top-50-prospects/