

Home Learning Activities: Week 4

Grade 6J – Mr. Methot



*This week we are continuing with ratios (**rappports**). Here is a link that provides some lessons in English on ratios as reinforcement. There are videos to watch and practice questions to try if you want. I would suggest checking out lessons #1 and #2 first thing. <https://courseware.cemc.uwaterloo.ca/27?gid=75>

You can also look back on the example I provided last week in the picture called "**Rappports**" to guide you.

Monday

- **Brainpop:** There are lots of great educational videos and quizzes you can try on www.fr.brainpop.com. 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 "**Gravité**". There is a video you can watch and quiz questions you can try.
- **Netmath questions:** Continue with the activities/lessons on www.netmath.ca. If you haven't yet activated your account, the steps on how to do so can be found in last week's document. You can work on completing any lessons that are incomplete. I would like you to complete the following lessons before any of the others:
 1. Définir la notion de rapport
 2. Trouver une fraction équivalente à une fraction donnée

Tuesday

- **Puzzles + dominoes:** Here are a couple of new ones to try. You can always go back and revisit puzzles and games from previous weeks that you enjoyed or want to complete.
 1. **Logic puzzle:** Using the clues provided, the challenge is to figure out which colour of pants, shirt, phone, and crayon go together for each of the 4 kids. The puzzle is in the file named "**Casse-tête de logique**". You can share your answers on Teams with the class!

Here is website that provides some help and tips on how to solve a logic puzzle: <https://logic.puzzlebaron.com/how-to-solve-a-logic-puzzle.php>

If you really enjoyed this logic puzzle, there is a free app you can download called "**Logic Puzzles in French**". There are also free apps available for Kakuro and Sudoku if you are a fan of those!

2. **Domino ratio race:** For this game you will need a set of dominoes, or you can just create your own dominoes with paper. You will also need at least one partner to play with you. Each domino can be seen as a **ratio (rapport)**, with the dots on either end representing an amount or quantity.

To play just spread out all the dominoes face down, so you cannot see the dots. For each round, one player will call out a ratio to find on a domino. For example, maybe one player calls out 4:2 as a ratio. All players will then begin to turn over one domino at a time, searching for the matching ratio. You must return each domino face down after you have looked at it. The goal of the game is to be the first player to find the ratio that was called out. Whichever player finds the correct domino first earns a point. Then for the next round a different player calls out a new ratio, and the race is on again! You can decide how many points you need to win the game.

Wednesday

- **STEAM challenge:** Your challenge this week is to find some items around your house that are broken or no longer being used and create something new! This is called upcycling. There is some information and a link to a video included in the attached file named "**Défi de STEAM semaine 4**". I have included the English version of the document as well with the name "**STEAM challenge week 4**". Be sure to use the third page for grades 6-8. I'd love to see your upcycling creations so feel free to share on Teams with the class!
- **Numeracy activity:** We know that the amount of garbage and waste that we are throwing away as humans is too high. This is why we now have recycling programs put in place in NB, such as the 'Green Team' at school, to reduce the amount of waste being dumped in landfills each year. Just how much waste went to landfills in 2012, let's do the math to find out! Here's a hint, you will need to convert from kg to tons to find the exact answer. This question is included in the same files as above.

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

- **Ratio scavenger hunt:** With the following list of ratios, search around your house and outdoors for items that represent each **ratio (rapport)**. Be sure to pay attention to which ratios are comparing **part-to-part (partie-à-partie)** and which ratios are comparing **part-to-whole (partie-à-tout)**. For example, maybe you look in your sock drawer and notice you have 5 pairs of white socks

and 3 pairs of grey socks. In this case, your socks could represent a ratio of 5:3, comparing white socks to grey socks. It could also represent a ratio of 3:5, comparing grey socks to white socks. Another comparison with the socks could be a ratio of 5:8, which compares white socks to the total number of pairs of socks. You are welcome to share on Teams the items that you used to find the following ratios:

- 1:4 (partie-à-tout)
- 3:2 (partie-à-partie)
- 6:10 (partie-à-tout)
- 2:3 (partie-à-partie)
- 5:5 (partie-à partie)
- 4:1 (partie-à-partie)

Extras

- **Research question of the week:** One of the four forces that acts on flying objects is gravity. Gravity is the force that pulls the flying object down towards the ground. It is also called weight. Imagine a world without gravity. **What would happen to everything on Earth if gravity did not exist?** We can discuss this question on Teams later in the week!
- **Math problem of the week:** Each week I will give you a challenging math problem to try created by the University of Waterloo, good luck!
<https://www.cemc.uwaterloo.ca/resources/potw/2019-20/French/POTWB-19-GS-28-P-f.pdf>

- **Forces of flight video:** Here is a video that explains the four forces of flight. Enjoy! <https://www.youtube.com/watch?v=GNzrcFaw3KU>



Happy Home Learning!



<https://twitter.com/gerritbosma9>

<https://www.partycity.com/ca/mickey-mouse-life-size-cardboard-cutout-294138.html>