



Family Math Newsletter

Primary Edition

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Game: NIM

This is a game that has been around for hundreds of years! Can you master the game of [NIM](#)? Place 7 objects in a group and decide who will go first. Each player takes turns to remove either 1 or 2 objects. The player that takes the last object loses. Switch turns going first and try again. Can you find out a winning strategy? Does it matter who goes first? Try the game again with a different number of objects. Do the same strategies work?

Math Talk:

Together, read the story: [Hockey Homework](#). As you read the story with your child ask them to:

- Find fractions in the story
- Solve how many pens each friend will get from Nimah
- Try the online activity!

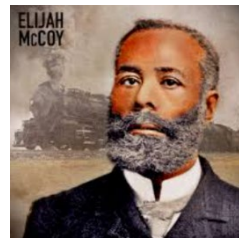
Hands On Fractions:

The book [Hockey Homework](#) looks at splitting wholes into equal parts to make fractions. Try this activity with your child.

Fraction Scavenger Hunt: Grab a smart phone, tablet, camera, or paper and markers, and go find fractions! Set a time limit and record as many fractions as you can. Stay in the house, or go for a walk in nature or around the neighbourhood.

Source: Mathology

Good Read:




Mathematics is a constantly evolving discipline that thrives on diverse perspectives and outlooks. Despite facing racism and discrimination, Black Canadian mathematicians have made many groundbreaking contributions, playing pivotal roles in mathematics throughout history. Read more about the resilience, determination and excellence of Black Canadian mathematicians [here](#).


Problem Solving:

Imagine sharing a granola bar with your friends. Do you get a bigger piece when you share it with 6 friends or 3 friends? Use pictures to explain why your answer makes sense. Select another sharing scenario between friends and solve. What happens as the number of sharers increases and decreases?

Two Truths and a Lie

Which of these three statements is a lie? Explain how you know.

(1)  The cookie is cut into thirds.

(2)  The cake is cut in half.

(3)  The pizza is cut into sixths.

Source: [MashUp Math](#)