



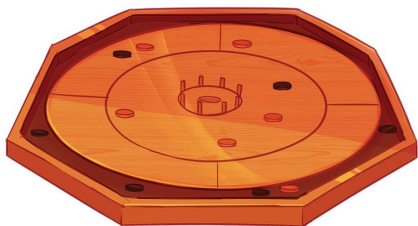
Today you will be exploring some well loved, traditional games.

Grade 4  
Grade 5  
Grade 6

Canadian Board Games: Crokinole or Trivial Pursuit?

Playing games is a great way to relax and spend your spare time. Canada is known for two board games created many years ago that are still popular today: a traditional favourite crokinole and Trivial Pursuit. Which one would you like to know more about? Choose one of the articles linked below to learn more.

Crokinole



Trivial Pursuit



Write a Five Star Review



Crokinole and Trivial Pursuit are classic Canadian board games that are still popular today. Why do you think this is true? Imagine that you are a customer who recently purchased the game. Write a customer review that describes why the game deserves a 5 star rating.

Writing Checklist

- ☐ I checked for capitals, punctuation and spelling.
- ☐ I used persuasive language.
- ☐ My opinions are supported with evidence.

8th Sculpture



Michael Bolus  
1963

Make a Paper Sculpture

‘8th Sculpture’ was made at a time when the artist, [Michael Bolus](#) was thinking of making a sculpture from a ten-foot sheet of crumpled paper. Check out [Tate Kids Arts Place](#) to learn how you can make your own paper sculpture.

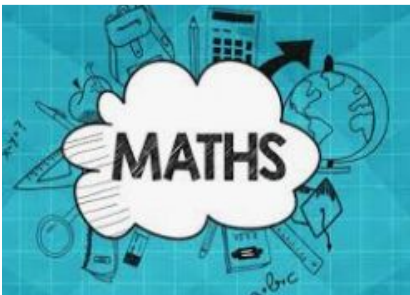
YOU WILL NEED

- A cereal box or some cardboard for the base
- Some coloured paper, newspaper, scrap paper or old wrapping paper
- Glue stick
- Scissors

Reflection

Feeling inspired? Learn more about other artists, such as Michael Bolus at [Tate.org.uk](#).

- ★ Name your sculpture
- ★ What are you most proud of?
- ★ If you could change something about your work, what would it be?
- ★ What are your overall thoughts about this type of art form?



Number of the Day = 20

Write various expressions that are equal to 20.

A few samples:

$5 + 25 - 10$

$8 \times 5 \div 2$

$240 \div 4 \div 3$

$432.2 - 422.3 + 10.1$

Try using: decimal numbers, addition, subtraction, multiplication, division.

Number Talk – How Many?



How many circles of each colour are there?  
What’s the fraction/ratio of the different colours?  
Is there a way of thinking that allows someone to more clearly see the fraction or ratio?

Open Middle Problems

1. Using the digits 1 to 9 exactly one time each, place a digit in each box to make the sum as close to 1000 as possible.

Directions: Using the digits 1 to 9 exactly one time each, place a digit in each box to make the sum as close to 1000 as possible.

+  +

2. Use the digits 0 to 9, at the most one time each, place a digit in each box to make a pattern that changes by the same amount each time.

Directions: Use the digits 0 to 9, at the most one time each, place a digit in each box to make a pattern that changes by the same amount each time.

, , , , ...



Try this active online version of a Pokemon game and see if you can “[Catch Them All](#)” by performing each exercise until the catch meter fills up.

The creator of the game tried to match the difficulty of the exercise to the strength of the pokemon. Do you think they did a good job of matching these up? Which exercise was the most difficult for you?



# Sweet and Salty!

Asynchronous  
Learning Tasks



Do you have a sweet tooth or do you prefer salty foods? Today you will delve into some sweet and salty learning opportunities.

Grade 4  
Grade 5  
Grade 6

## Owner of Mollie’s Candy Stores is Just Six Years Old

Have you ever wondered what it might be like to be a candy tester? Have you dreamed of owning your own business? Six year old Mollie Price is doing both! Read Mollie’s story at [Teaching Kids News](#).

### Discussion Questions

- ★ Mollie and her friends have come up with some creative ideas to bring business into the store. One example in the article is that Mollie uses the temperature outside to determine the price of ice cream. Can you think of any other creative ways for Mollie to get more people to buy candy in her store?
- ★ Quotation marks (") are used when you write exactly what someone said or wrote. Indirect quotations don't need quotation marks because they only explain what someone said. Can you find places in the article that are indirect quotations?



## Calling all Aspiring Entrepreneurs!

Mollie noticed that there was a need for a bulk candy store in her community so she and her mom created one. As the article explains, it has been a huge success.

Have you noticed a need/desire in your community for a certain type of store, a product or a service? What are some creative ways that you could meet this demand? What would you need in order to realize your idea?

## Scientific Method

- ❑ **Question** – what drives the experiment
- ❑ **Hypothesis** – the statement that we set out to test in the experiment
- ❑ **Materials** – the things we need to do experiment
- ❑ **Procedure** – the steps we take to do the experiment
- ❑ **Observations** – what we see and measure
- ❑ **Conclusion** – what happened and why

## Why Doesn’t The Ocean Freeze in Winter?

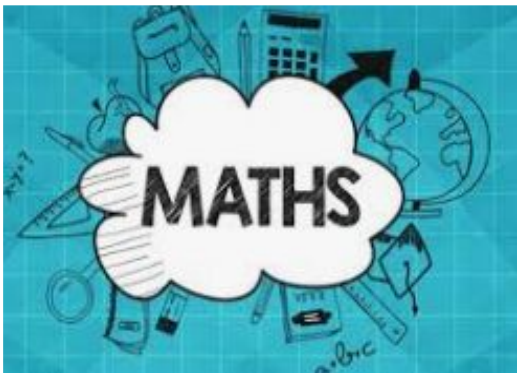
### Salty Ice Experiment

Discover how salt can affect the properties of water with this salty ice experiment.

Use the Scientific Method shown in the column on the left to complete the experiment. After completing the experiment answer the following:

- ❑ What might you do differently next time? Why?
- ❑ If something went wrong, how did you adapt?
- ❑ What are some important attributes of a scientist?

To learn more about the science of freezing, check out [Wonderopolis](#).



### Powerful Number Patterns

5, 10, 15, \_\_, \_\_, 30, \_\_, \_\_  
7.1, 8.2, 9.3, \_\_. \_\_, 12.6, \_\_, \_\_

How are these patterns similar? different?

- Fill in the missing numbers
- Can you explain the pattern rules?
- Predict a far number that will be in the patterns?
- What is a number that will not be in your pattern?
- Are there any numbers that will be in both patterns? What are they?
- Represent your pattern in a different way (e.g., with [manipulatives](#), graph, table of values)

What do you notice? What do you wonder?



Source: Adam Hillman Food Artist



## Have you ever wondered why sweat is so salty?

Sweat is mostly comprised of water, although it contains a small amount of salt (sodium) and other essential minerals known as electrolytes. When you sweat, you lose mostly water, but you also lose some salt and other minerals. To learn more visit [Wonderopolis](#).

## Time to Break a (Salty) Sweat!

The primary benefit of sweating when you work out is that sweating helps cool your body down. This can help prevent you from overheating. Exercise and high temperatures cause your body to heat up.

Time to get sweaty! There's no better way to learn about sweat than to work up a good sweat. Here are a few ideas:

- play in the snow
- go for a jog or a fast walk
- play tag with family members
- jump rope
- try this high intensity cardio workout: <https://youtu.be/kAXg3cM0UCw>

Make sure your body is in motion and you're getting some good, strenuous exercise. Once you've worked up a sweat, analyze it. Go to the bathroom and take inventory of your body. Where do you see and feel sweat? Rub your finger across your arm or your brow and then taste it. Do you taste the salty taste of sweat? Don't forget to take a shower and wash off, so you don't start to stink!

Pink Shirt Day

The goal of **Pink Shirt (Every) Day** is to continue fostering acceptance and inclusion among school community members to enhance positive school climate and prevent bullying. Promoting kindness, respect for diversity and being an upstander supports each student’s sense of belonging.



Asynchronous Learning Tasks

Grade 4  
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Watch the video below to find out how Pink Shirt Day began.



- ★ What do you think is the meaning of Pink Shirt Day?
- ★ Why would a boy be bullied for wearing a pink shirt?
- ★ How would you feel if you were bullied for wearing your favourite colour?
- ★ How do you think it made the bullied student feel when he saw so many other people wearing pink?

Then, learn more about Pink Shirt Day with [CBC Kids](#). Check out the acronym T.H.I.N.K. and the Lunchbox Rap Battle. How could you share the message of Pink Shirt Day in a creative way? Choose one of the following options, or your own idea to summarize some key points about what you learned:

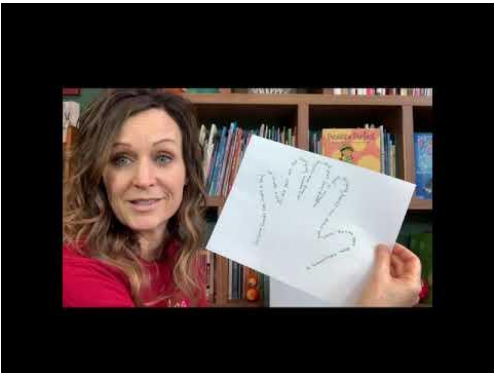
- research paper
- slide show
- photo essay
- poem
- poster
- lunchbox rap



Concrete Poetry

[Concrete poetry](#) – sometimes called ‘shape poetry’– is poetry whose visual appearance matches the topic of the poem. The words form shapes which illustrate the poem’s subject as a picture, as well as through their literal meaning.

Think about something that is important to you. This could be an object such as a favourite food, animal, sport, musical instrument, or a subject such as your pet, a best friend, your favourite team, hobby, etc. With this in mind, write a concrete poem. Visit [Poetry4Kids.com](#) and watch this video for some helpful tips and tricks.

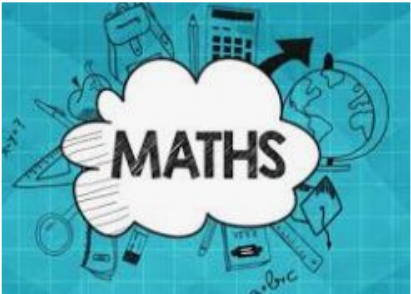


Poetry Critique

Writers share their work with others many times before it is published. Share your poem with at least two people (e.g. friend and/or family member). Ask them to provide you with some constructive feedback using the checklist below.

Concrete Poetry Checklist

- ☐ Words and phrases effectively convey the message
- ☐ Topic is adequately developed
- ☐ Visuals clearly illustrate the topic
- ☐ Spelling is accurate



Play “Hog Wild”



2 players, [dice](#)  
**Object:** to reach 100 first

Roll two dice as many times as you want. You decide when to stop rolling. If the product is not a 12 or 15, bank the product points to your score for that turn. If the product is a 12 or 15, lose all your unbanked points and end your turn. You can also choose to end your turn at any time and bank your points. Play a few games.

Reflect During the Game:

What do you notice while you are playing? Do you think there is any strategy in this game? What is your strategy so far?

Reflect After the Game:

Are there some products that have more factors than others? What math do you see during this game? Does this remind you of any other games you’ve played?



ABC Workout

Today you learned about being an upstander. Use this [ABC WORKOUT](#) page and move according to the letters in the word UPSTANDER.



Try moving to other upstanding words, such as,

- ACCEPTANCE
- INCLUSION
- POSITIVE
- KINDNESS
- RESPECT
- DIVERSITY
- BELONGING

OR, choose your own word that reminds you about the goals of Pink Shirt Day.



# Creepy Creatures & Cuddly Critters

Asynchronous  
Learning Tasks



Today you will learn all about some creepy Canadian creatures and some cuddly pets (don't get those two confused- your family would probably NOT be happy if you brought a Sasquatch home!)

Grade 4  
Grade 5  
Grade 6



## Have you ever heard of the Sasquatch, Ogopogo or Loup-Garou?



Do you feel like these creepy Canuck creatures could be real? Do you think they are completely imaginary? Read more about these and other **Not-so-Human Neighbours** at [Kayak Magazine](#).



Click on one of the creatures above to research it at the Canadian Encyclopedia. What are the origins of the tale? Try telling the story to a friend or family member. How convincing can you be?

### Why does fake news exist?

Learn how to identify the tell tale signs of fake news on social media with this Social Media Test Drive [Responding to Breaking News](#) module.

### Reflection Questions

- ★ What are the benefits and drawbacks of getting news from word of mouth or social media?
- ★ Why is it important to evaluate the information you see and hear?
- ★ What would you do on real social media sites to make sure that the information you see is credible?

Old Mother Hubbard is a nursery rhyme, written and illustrated by Sarah Catherine Martin in around 1804. Now that's a long time ago! Read the first verse from one of the most popular nursery rhymes of all times

**Old Mother Hubbard  
Went to the cupboard,  
To give the poor dog a bone:  
When she came there,  
The cupboard was bare,  
And so the poor dog had none.**

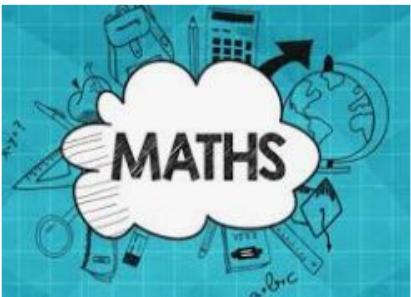
### Calling all Animal Lovers!

Caring for pets requires responsibility and commitment. This will help to avoid an empty cupboard like the one experienced by Old Mother Hubbard. Check out [National Geographic Kids' Pet Central](#) for tips, videos, photos of amazing pets, and even pet games.

Choose **three** of your favourite animal photos from the Fun Photos section of the website. Think about what the animal might be thinking or would say if it could talk? Write a thought or speech bubble for each of the photos you choose.



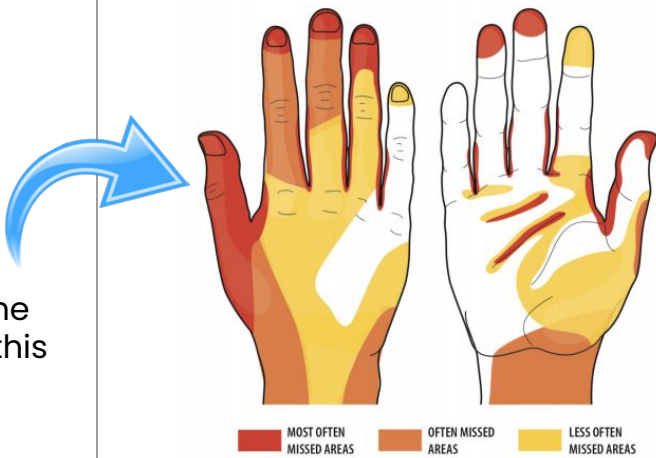
PHOTOGRAPH BY COREY HOCHACHKA, DESIGN PICS, NEWS.COM



What story does this tell? Who is the intended audience? Do you think this visualization is effective for that audience? Why or why not?

This visual is from 1978. Do you think a visual from 2021 would be different?  
How? Why?

### Data Talk



What do you notice? Wonder? What is going on in this data visualization?

### Try this Open Middle problem!

Old Mother Hubbard is baking cookies so her cupboards won't be bare anymore! She bakes 109 cookies in all. She bakes the cookies on 4 cookie sheets. Each cookie sheet is arranged into equal rows and columns, but not every cookie sheet has the same number of rows and columns.

Using digits 0-9, at most once, how might the cookies be arranged on the cookie sheets?

$$(\_ \times \_) + (\_ \times \_) + (\_ \times \_) + (\_ \times \_) = 109$$

Here are some [COLOUR COUNTERS](#). Click here for a [HINT](#).

### Try This Weather-Themed Fitness Burst



Check out the video for a workout inspired by our changing weather! Then make sure you spend some time being active outside. Try going for a walk, playing in the snow, going sledding, playing a game of soccer with your family, or even bowling with snowballs!





# C.S.I. (Crime Scene Investigations)

Today you will be lured into a world of secret international adventures. Explore a few of the many ways that patterns are important.

Asynchronous  
Learning Tasks

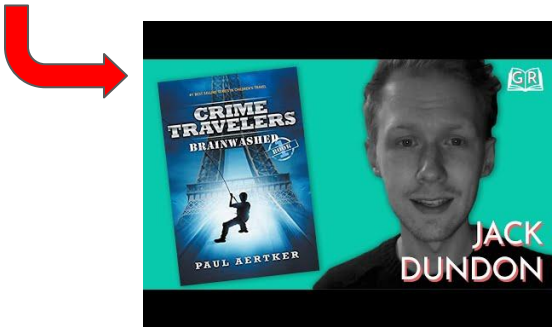
Grade 4  
Grade 5  
Grade 6



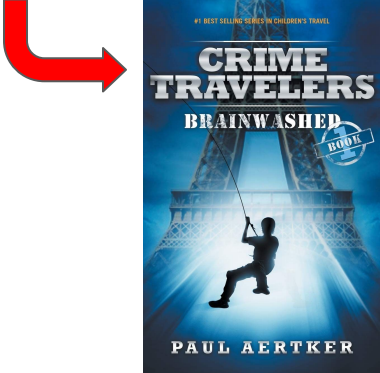
## Listen or Read

*Crime Travelers* is an adventure series by Paul Aertker that tracks the secret urban adventures of a group of international orphaned teens living in hotels, travelling the globe and fighting crime worldwide. **Listen** to voice actor, Jack Dundon reading an excerpt from Book One in the series OR **Read** the first two chapters on your own.

Listen here



Read here



## VocabulART

Reading and understanding new words is an important part of being a reader and writer. Choose 10 words from *Crime Travelers* that are unfamiliar. Use index cards or paper.

VocabulART Directions:

- ❖ On one side of the card or page write the word and an illustration of the meaning.
  - ❖ On the other side, write the definition.
- Here is an example:



## Shoeprint Art

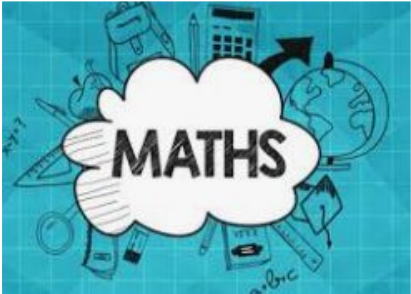
According to Science World, shoeprints can be analyzed to determine the suspects' type, size, and brand of shoe, as well as individual characteristics such as wear patterns (patterns that form on a shoe, depending on how the wearer walks) or specific damage (nicks and cuts, etc.). **Create your own shoe print art!**

### Shoe Rubbing

1. Place a piece of paper over the bottom of your shoe.
2. Carefully use a crayon, pencil crayon or pencil to rub across the paper to transfer the texture of your shoe print. Consider adding colours that represent you.

### Design an Original Shoeprint

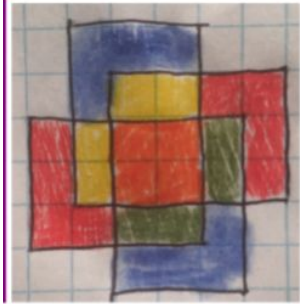
1. Trace the outline of one of your favourite pairs of shoes.
2. Design an original tread using whatever materials you have. Choose colours that tell something about your personality.



What might the patterns look like if you chose the following numbers?

1. 3, 6, 9
2. 1, 3, 2, 5
3. 1, 1, 2, 3, 5, 8

## Math Art Challenge - Loopy Patterns



- Choose a set of numbers (at least 3) for your first design.
- Follow right, up, left, down steps.
- For example, 3 right, 4 up, 5 left, 3 down, 4 right, 5 up...
- Decide how colour can be used to make your creation mathematical and artistic.

## Questions for mathematical conversation:

- Do number patterns always create visual patterns?
- Can random numbers create visual patterns?
- Is there anything you can generalize about this?
- Which mathematical concept are you playing with during these creations?
- How does playing with math through art help you as a mathematician?

Click [HERE](#) for more details about how to make the pattern.

## Groove it Out!



Work on your endurance with this aerobic exercise video. You might also learn a dance move or two that you can teach your friends and family!

Make sure you have a water bottle handy and have fun!

