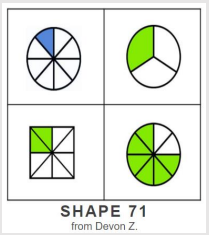
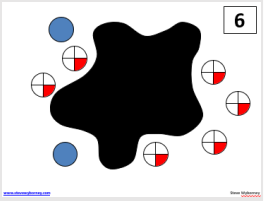
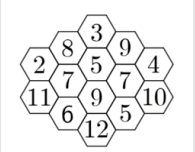
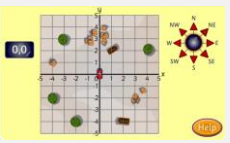
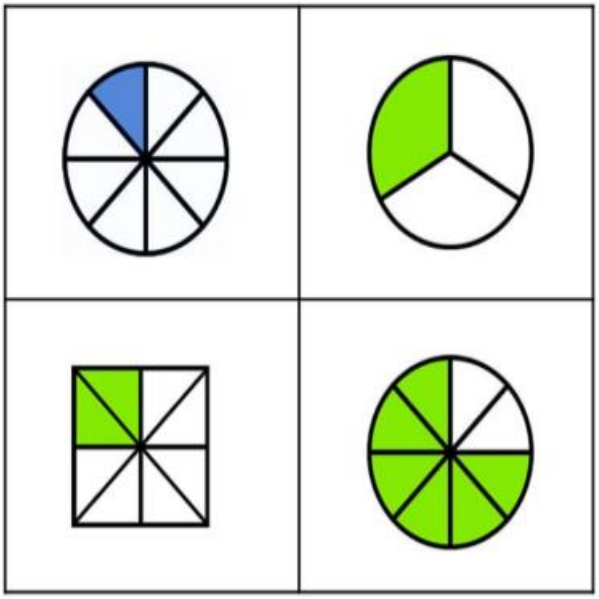
Math 4 - 6 Activities Menu C

Instructions: Each day, choose from the options below. Choose as many or as few as you have time for.

	Monday	Tuesday	Wednesday	Thursday	Friday
Estimation		Estimate the perimeter of one room in your home. How can you use the estimated length of your foot to support your thinking? Investigate.	Estimate the length of the Star Wars Theme Song. Listen here. 	Estimate the total value of a tower of dimes that measures 32 mm.	Estimate how long it will take to colour seven-eighths of the rectangle. View here. 
Talking about Math		Which One Doesn't Belong? 	Collect 5 food items measured in mL or L. What is the mean capacity of the items? Be sure all 5 items are converted to the same units (mL or L) before performing your calculation.	Would you rather save 4/5, 0. 5 or 75% of your allowance and spend the rest? Explain your thinking.	How Many? 
Activities / Games	Easter Monday	Create a math dictionary. This week's vocabulary : mean, ratio, improper fraction, volume and perimeter.	**Bake** Many juices/ lemonade are prepared with a ratio of water to concentrate such as 4:1. Prepare your own refreshment. What ratio did you use?	**Card Game: First to 50 Multiplication** Duel for the higher product to earn a point. Click here for game rules. 	**Dice Game:** The Peach Stone Game. Click the image below: 
Problems		If you buy 6 pairs of socks for $9.00, how much will it cost to buy 5 pairs? Justify your thinking.	**Probability Puzzle** Click this link to access the activity: 	**Toonie Exploration** Click this link to view the activity. 	**Faucet Problem** If the hot and cold water is left on, after how long will the bathtub overflow? Click here for the link.
Technology		Who Am I Riddles 	✓ Read/listen online ✓ Test yourself 	Making Change 	Coordinate Grids 

Please click on this Icon, wherever you see it, to access Indigenous content.

Which One Doesn’t Belong?



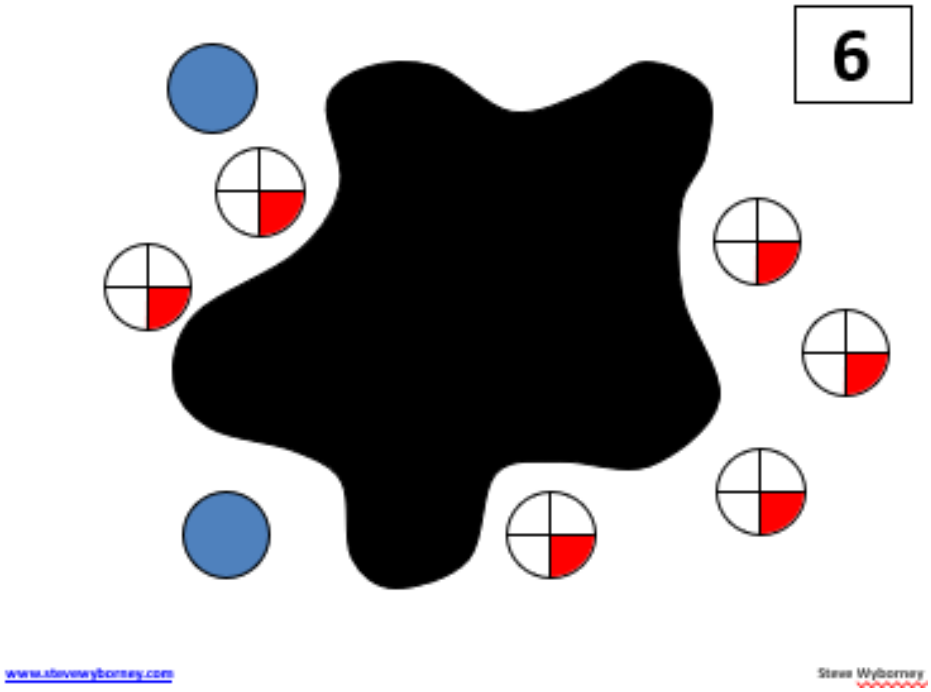
SHAPE 71
from Devon Z.

Step 1: Examine the four images.
Step 2: Identify the one you believe doesn't belong. Explain your reasoning.
Step 3: Imagine another student has chosen a different image as the one that doesn't belong. What might be their reasoning?

Challenge: Provide an argument for each of the four images not belonging with the others.

https://wodb.ca/shapes.html

How Many?



Some Questions to Ask

- What is the value of the dots, outside the splat? How do you know?
- How many dots are hiding under the splat?
- How do you know?
- How might another child figure it out?
- What number sentence could represent this splat?

- https://stevewyborney.com/

12. First to 50 Multiplication

7+ years **2- 5 players**

Practice multiplication facts.

Instructions

First to 50 - Multiplication

2 - 5 players

Getting Ready

Shuffle cards and place face down in a pile in the center of the players.

Play the Game

Each player draws two cards from the center pile. (Or someone can deal two cards to each player.)

Players multiply the two values together and tell everyone the answer.

The player with the highest total keeps their cards.

The others return their cards to the pile which is shuffled and placed in the center.

Repeat. Each player adds the value of the cards they have won until one player reaches 50 and becomes the winner.

Making Math More Fun:
https://www.sau39.org/cms/lib/NH01912488/Centricity/Domain/244/Making%20Math%20More%20Fun%20Card%20Games.pdf

Games of chance were, and continue to be, culturally significant within many Indigenous groups.

Please read the attached article to better understand cultural practices with some of the peoples whose land we share.

"The Peach Stone Game"

Problem of the Week

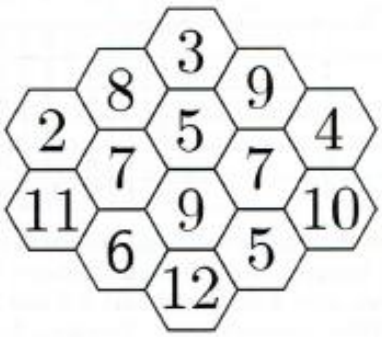
Problem B

Don't Get Vexed by the Wrong Vertex!

A standard six-sided die has its faces marked with the numbers 1, 2, 3, 4, 5, and 6. The die is "fair" and each number is used exactly once. When a mathematician says a die is "fair", they mean that on any roll there is an equally likely chance of landing on any face of the die.

A game board is made up of fourteen hexagons, as shown in the diagram below. The numbers on the hexagons are arranged randomly. You may place your game piece on any vertex shared by three hexagons. Two standard six-sided dice are then rolled and the two top numbers are added together. If this sum is equal to the number on any of the three hexagons sharing the vertex where your game piece is placed, you win the roll.

Which vertices give the best chances to win the roll? Explain your reasoning.



Solution: Pages 9-11 at the link below:

https://www.cemc.uwaterloo.ca/resources/potw-strands/2018-19/English/POTWB-18-Combined5-6.pdf

Exploring Patterns

Examine the pattern below. If the pattern continues in the same way, what will the value of the 10th term be. Justify your thinking using a table of values to organize your work.
Will there be a term with a value of $75.00? Why or why not?

Term # 1 Term # 2 Term #3

https://tapintoteenminds.com/wp-content/uploads/2013/04/Patterning-and-Relationships-1-3-5-Toonie-Pattern.png