

Mathematics

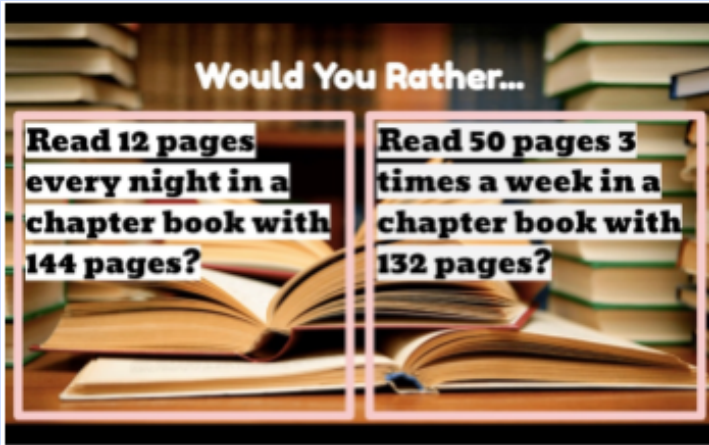
Choose a path.

Would You Rather...?

wouldyourathermath.com

Justify it.

wouldyourathermath.com



Artful Math

It's no secret that art is full of mathematical concepts. Here is an example from Antonio Hubert (1907 - 2000)

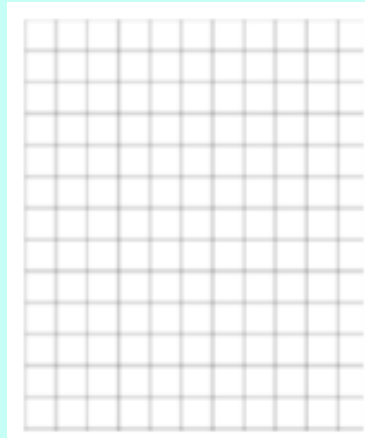


- *How many mathematical concepts do you see in this art piece?
- *Can you list them?
- *Can you create your own piece of art from mathematical concepts you remember from this year?



Fewest Squares

Draw an 11x13 grid and try to find the fewest number of squares they can use to cover it without overlap or extending outside the grid.



Possible Extensions:

What is the size of the rectangle you can find using 9 squares?
Can you find more than one rectangle?

<https://www.youcubed.org/wp-content/uploads/2019/08/WIM-fewest-squares-grades-3-12.pdf>

Mashup Math Puzzles

Use your math skills to find the value of each symbol in the puzzles below:

www.mashupmath.com

$$48 = \text{red bear} + \text{ice cream cone} + \text{red bear}$$

$$\text{watermelon slice} \times \text{purple lollipop} = 0$$

$$\text{purple lollipop} = \text{red bear} + \text{purple lollipop}$$

$$\text{red bear} = \text{ice cream cone}$$

$$\text{purple lollipop} + \text{red bear} + \text{watermelon slice} + \text{ice cream cone} = ?$$

	0		
		9	15
12			

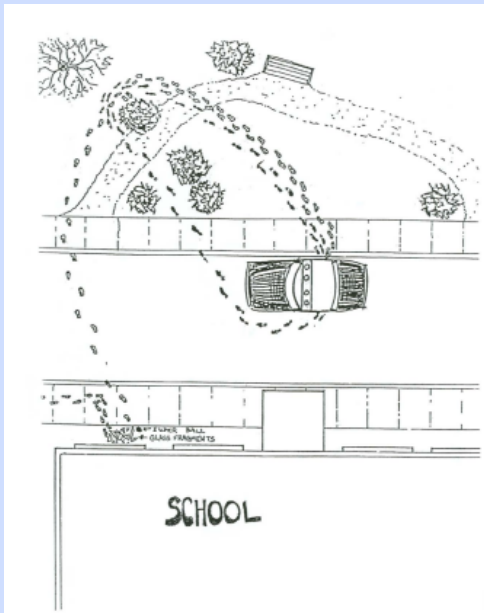
Creating a Gallery Wall

Using your art piece from the Artful Math activity, place it in the center of a wall (without damaging the wall). Justify to a family member how you know it is center of the wall.

Stay tuned for next week's associated question.

Science

Footprint Print



Use your observation and inferencing skills to create a story of what happened in the footprint puzzle. See if your story matches up with anyone else's. Try and create your own footprint puzzle.

smarterscience.youthscience.ca

Try this!

clock pendulum ...adapted from GLOBAL TOPS #91
by TOPS Learning Systems

1. Tie an arm's length of thread to a paper clip.
2. Lightly fold a small piece of masking tape over the middle.
3. Slide the thread through the tape until you find the length where your pendulum swings exactly one cycle each second.
4. Measured to the center of the bob (the paper clip), how long is your pendulum clock? Can you accurately time one minute with it?

Design Challenge

REDESIGN

Describe what should be done to repurpose this abandoned amusement park. Include what elements could be kept and reused.

Visual Writing Prompts
By John Spencer

For more activities like this check out John Spencer's website.

www.spencerauthor.com/prompts/



Photo by Jaromir Kavan on Unsplash

UNPLUGGED CODING

- *With a family member, each grab six different coloured building bricks.
- *While standing back to back, one person becomes the coder and the other person the computer.
- *The coder gives directions to the computer on how to build the same structure as them. The computer cannot ask any questions.
- *When you are done, turn around and see how you did. Were you successful in building the same structure? If not, where did your code go wrong? What could you do differently next time? Keep trying as many times as you want.



Let's Talk Science Careers

Considering a career in STEM or another field? If so, check out <https://letstalkscience.ca/explore-careers/>. You can see hundreds of career profiles of real people explaining what they do, their career paths, give advice to others and much more.