






Mathematics
Grades 9-10
Daily Activities to Promote Numeracy

Learning Activity	Time	Instructions	Considerations	Visuals
Video Lessons- Binogi	15 to 20 minutes per day	Head over to www.binogi.ca to see Mathematics lessons. Watch video lessons, compete in quizzes and earn points. Binogi's short videos are a fast way to learn in both English and French.	To use this resource, students will need to login. Registration is free for all until the end of June. Binogi has multiple lessons in different mathematical strands and adds videos weekly!	
What's Going on Outside Your Window?	Pick a time window. It can be 5minutes or all day long.	This activity encourages students of all ages to take a deeper look at a familiar view: right outside their window. Students are asked to collect data on what they see and report it in a creative visual representation.	Find a way to visualize the information you collect. Maybe a timeline or a chart. Be your most creative self. For more information or to find similar activities go to the following link: https://www.youcubed.org/resources/whats-going-on-outside-your-window-k-12-video/	
Area mazes	15-20 min	Find the value of the question marks in the following diagram using whole numbers. All of the shapes are rectangles but are not drawn to scale.	Students can access free area maze apps in the app store or visit the following site for other challenging puzzles. https://www.transum.org/Maths/Puzzles/Area_Maze/	
University of Waterloo Problem of the week	15 to 20 minutes a day until task is complete	Amanda wants to fly a kite. The kite is composed of two isosceles triangles, $\triangle ABD$ and $\triangle BCD$. The height of $\triangle BCD$ is 2 times the height of $\triangle ABD$, and the width of the kite, BD is 1.5 times the height of the larger triangle. If the area of the kite is 1800cm^2 , what is the perimeter of the kite. 	The Problem of The Week is designed to provide students with ongoing opportunity to solve mathematical problems. Each week, problems from various areas of mathematics will be posted on the following website: https://cemc.uwaterloo.ca/resources/potw.php	
4 Numbers	10 – 15 mins a day until the task is complete.	Using playing cards, flip 4 cards and use them to find numbers 1-20 using any operation. Can be solved a variety of ways	Extension: How many more numbers can you find?	My 4 numbers are: 1,2,3,4  So, this would be my equation for 13 $2-1+3 \times 4$