

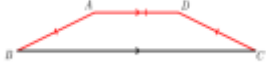
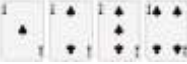


**Mathematics
Grades 11-12**

Daily Activities to Promote Numeracy

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/	
University of Waterloo- Problem of the Week	15 to 20 minutes a day until the task is complete	In trapezoid ABCD, the lengths of AB, AD and DC are equal and the length of BC is 2 units less than the sum of the lengths of the other three sides. If the distance between the parallel sides AD and BC is 5 units, what is the area of the trapezoid. 	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 $2 - 1 + 3 \times 4$
Interactive Math Resource- Algodoo		Download this free software on your computer or tablet to manipulate the virtual world. This tool provides online resources and challenges that apply to the general math courses as well as the more in-depth physics courses.	http://www.algodoo.com/	