



PRIMARY FAMILY MATH NEWSLETTER

ISSUE 11: DECEMBER 2024

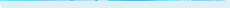


STEAM

(Science, Technology, Engineering, Art and Math)

Create your own instant ice tower!

Instructions: Place a bottle of distilled or purified water in the freezer standing up, where it won't get bumped. Once the water is almost frozen (anywhere from 30 - 90 minutes, take the bottle out of the freezer and gently tap the bottle on the side of the counter. If crystals appear in the bottle, it is ready! Place a few regular ice cubes in a bowl or on a plate and slowly pour the water over the ice cubes, creating your very own ice tower. When the purified water hits the regular ice, a process called nucleation happens and creates a domino effect turning the water molecules into ice, but don't look away, the ice melts quickly, you don't want to miss it!



Game:



Who Will Roll the Same Number Twice? Three Times?

With a partner, use dice to see who will roll a number more than once, twice or three times. Be sure to make your prediction!

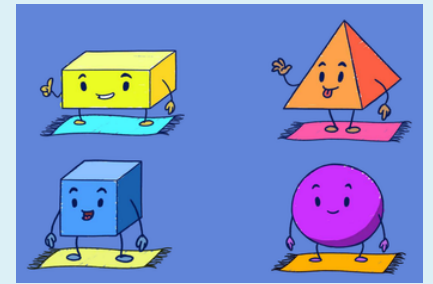


Math Talk

Dress for the Cold



Who needs more blanket? Which shape needs the most blanket to be bundled up for the cold. This is an open-ended prompt that focuses on the information needed to answer a question rather than what the correct answer might be.



Source: [Clear Math: Cozy and Warm Math Bundle](#)

Problem Solving



You are hosting a holiday party and want to plan a meal and some activities. Can you think of at least 3 to 5 questions that you would need answers to so that you can better plan your party?



Good Read



Read about Mathematics as it pertains to your child's grade and strand. Mathematical modelling is an iterative and interconnected process of using mathematics to represent, analyse, make predictions, and provide insight into real-life situations. This process involves four components: understanding the problem, analysing the situation, creating a mathematical model, and analysing and assessing the model (Ontario Curriculum, Glossary).

Parents: <https://www.ontario.ca/page/new-math-curriculum-grades-1-8>



Math Riddle: I am a visual representation of your data often in a line or a bar, I help you understand quickly no matter how near or far! What am I?