



FAMILY MATH NEWSLETTER

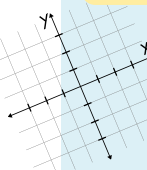
INTERMEDIATE EDITION

ISSUE 11: December 2024

Game: Battleship

Practice plotting coordinants on four quadrants of the Cartesian Plane:

- [Paper Copy](#)
- [Digital Version](#)



STEAM

Check out these 77 [Family STEM Activities](#) from [DailySTEM](#).

Some examples include:
try origami
make a puzzle
fix something that is broken



Open Question

A marketing company wants to use a graph to show the increase in customers switching from one phone company to another.

- What could this graph look like?
- What type of graph will you use?
- What is actually being graphed?
- What is the scale of the graph?

Source: More Good Questions - Great Ways to Differentiate Secondary Mathematics Instruction (Small & Lin, 2010)

Math Talk

About how many large marshmallows will fit in the glass?



Access the [Teacher Resources page](#)

Source: [Estimation180](#)

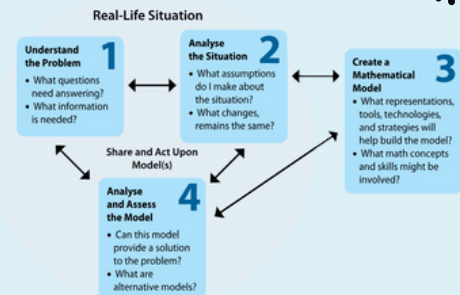
Mathematical Modelling

What information would be needed in order to design efficient snow plow routes for your community?

OR

What's the probability that there will be snow in Brantford on December 25th, 2024? What information is needed to answer this question?

The Process of Mathematical Modelling



CHECK IT OUT

Careers that Rely on Mathematical Modelling



Math in the Workplace: Land Surveyor

“Land surveyors provide documentation of legal property lines and help determine the exact locations of real estate and construction projects” ([MyBlueprint: Work](#)). Check out more details of this job on [MyBlueprint](#). Search “Land Surveyor.”

Where's the Math?

- [Mathematical Processes](#) including communicating, problem-solving, and representing.
- Geometry and Spatial Sense (e.g., visualization, construct/deconstruct geometric shapes, analyze designs involving geometric relations)
- Measurement (e.g., area, perimeter, metric conversions, using measurement tools).