



FAMILY MATH NEWSLETTER INTERMEDIATE EDITION

ISSUE 7: April 2025

Environmental Impact Calculator

Discover the power of math in real-world applications by using our pollution and carbon footprint calculators! Check out these calculators (*click the image*) to make meaningful connections between mathematical concepts and environmental impact.



Footprint Calculator

Our mobile-friendly Footprint Calculator is now available in eight languages at www.footprintcalculator.org

Problem Solving

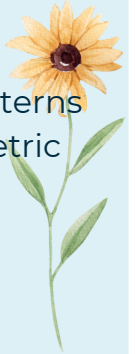


Throughout 2015-2020, 10 million hectares of trees were removed from forests around the world each year. Only 5 million hectares of trees were planted each year throughout the same period. Write an expression where T =the total hectares covered in trees, n = the number of years since 2020, to model how many hectares of trees there will be in 2025.

([Fact Sheets - Earth Day](#))

Patterns in Nature

Explore and discuss the beautiful patterns found in nature by identifying geometric designs, making predictions and generalizations.

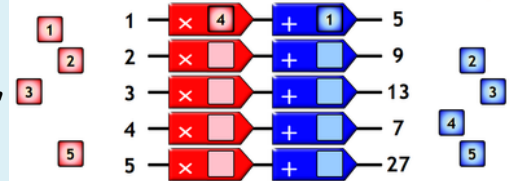


Patterns in Nature

Created by: Suzy Miller, Indigenous Education Teacher Consultant

Purposeful Practice: Brain Box Functions Machine

Try using this interactive functions machine, [Brain Box](#), that can increase in complexity each round.



Math in the Workplace: Environmental Sustainability Consultant

Where's the Math?

Environmental sustainability consultants:

- Take measurements and convert between units
- Work flexibly with various numerical representations (e.g. integers, fractions, decimals, percentages) and relationships (e.g. ratios, unit rates)
- Input collected data into formulas, such as to calculate the 'health' of an ecosystem
- Monitor trends over time
- Communicate findings using graphs and statistical summaries
- Apply mathematical modelling skills to solve complex problems

What do they do?

"[They] analyze environmental problems and develop solutions, including working to reclaim lands and waters that have been contaminated by pollution. They may also assess the risks that new construction projects pose to the environment and make recommendations to governments and businesses. These recommendations include how to minimize the environmental impact of a project, as well as advice on manufacturing practices, such as advising against the use of chemicals that are known to harm the environment. Some focus on environmental regulations that are designed to protect people's health, while others focus on regulations designed to minimize society's impact on the ecosystem." (Source: [myBlueprint](#))

Students will need to login to myBlueprint to access this information. →