

OPTIONAL CONTINUOUS STUDENT LEARNING AT HOME

Math **RESOURCES** Elementary **GRADE 3**

 To access some of the resources listed in this guide, ask your teacher for a login and password.

Elementary Mathematics

“Before your child can learn mathematics, he or she needs to believe in his or her ability to do so. That’s where you come in. You can be your child’s first role model for learning. When you engage with your child in a supportive, relaxed atmosphere, your child will enjoy exploring the world of mathematics.”



Ministry of Education document *Doing Mathematics with Your Child Kindergarten to Grade 6 A Parent Guide*

edu.gov.on.ca/eng/literacynumeracy/parentGuideNumEn.pdf

Counting by 1's, 2's, 5's, 10's, 25's, & 100's

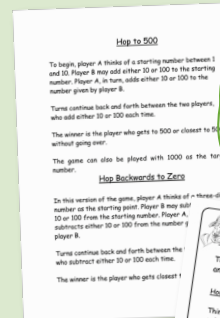
Take a look at these
counting tools!

Rekenrek

Number Chart

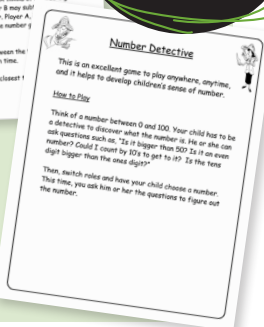
Number Line

Try these
counting
activities!

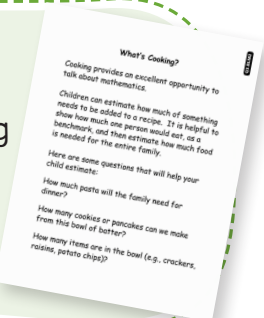


Hop to 500

Number
Detective



Give this
estimating
activity
a try!



Grade 3 Number Facts and Operational Skills

3

Students should be able to
represent and order numbers
to 1000 by the end of grade 3

Try this activity
Catch a Bouncing Ball

Adding & Subtracting:

- By the end of grade 3 students should be able to add and subtract three digit numbers in a variety of ways.

Representing Money:

- By the end of grade 3 students should be able to represent money amounts to \$10.

For example...

There are eight quarters in a toonie and ten dimes in a loonietoonie

Mathies Money Tool



Relating:

- one-digit multiplication, and division by one-digit divisors, to real-life situations

Try this activity... What things at home come in 2's, 3's 4's and 5's

Multiplying & Dividing:

- By the end of grade 3 students should be able to multiply to 7×7
- By the end of grade 3 students should be able to divide to $49 \div 7$

For example...

doubles, doubles plus another set, skip counting)

Try the Circle
and Dots Game



Problem Solving Tasks

GRADE 3

Measuring Activity

Record the temperature outside each day using a thermometer, and compare your measurements with those reported in the daily news

Patterning and Algebra

Colour Tiles

Use tiles to create arrays that represent 3×3 , 3×2 , 3×1 , and 3×0 .

Explain what you think will happen when you multiply any number by 1, and when you multiply any number by 0.

Try this tool!

Do you know anyone who has lived for close to 1000 days? Explain your reasoning.



You spent 7 dollars and 75 cents on one item and 15 cents on another item. How much did you spend in total?

Money Tool



Solving Math Problems

Serra has **968** collector cards and gives **129** collector cards to Noor and **12** collector cards to Tom.

How many collector cards does Serra have now?

There are **6** different colours of icing and **4** different types of toppings that can be put on a cookie.

If one colour and one topping are put on a cookie, how many different possible combinations are there?

Give a real-life example of when you might need to know that 3 groups of 2 is 3×2



What things at home come in 2's, 3's, 4's and 5's

What Things at Home Come in 2's, 3's, 4's, and 5's

Look around your home and find things that come in 2's, 3's, 4's, and 5's. Make a list of these things.

2's	3's	4's	5's

Now make up multiplication problems using ideas from your lists. Show the answer by using a picture, words, and a number sentence.

Here is an example:

If a table has 4 legs, how many legs will 3 tables have?

Picture:	
Words:	3 groups of 4 is 12
Number sentence:	$3 \times 4 = 12$

ONLINE RESOURCES

Ministry of Education's Mathematics Parent Guide

K-6 Mathematics: edu.gov.on.ca/eng/literacynumeracy/parentguidenum.html



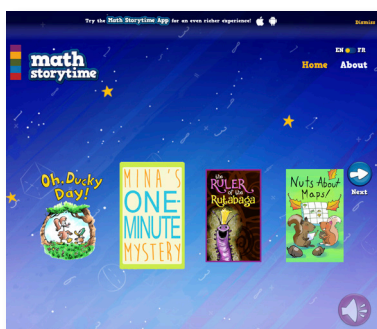
Read the Ministry of Education's guide to adding math into everyday activities at home. Help your child add, subtract, divide and multiply with confidence.

Available in 13 languages.

Math Storytime

mathstorytime.ca/en

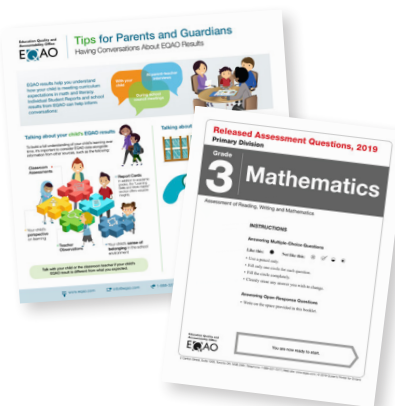
The objective of Math Storytime is to help parents explore simple math concepts with their children through stories...



EQAO Grade 3 Booklets:

eqao.com

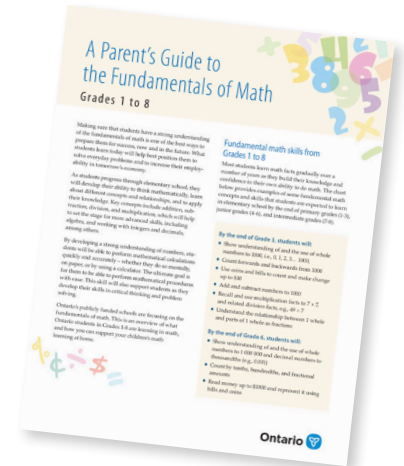
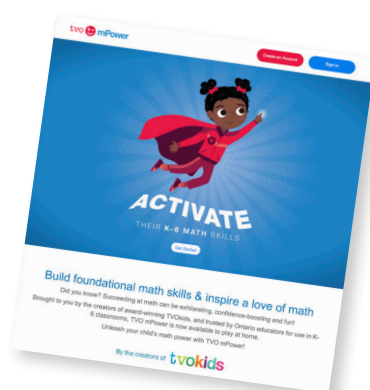
The Assessment of Reading, Writing and Mathematics, Primary Division (Grades 1–3) tests the reading, writing and math skills students are expected to have learned by the end of Grade 3. Students write this test during a two-week testing window in May/June each year.



TVO mPower

tvompower.com

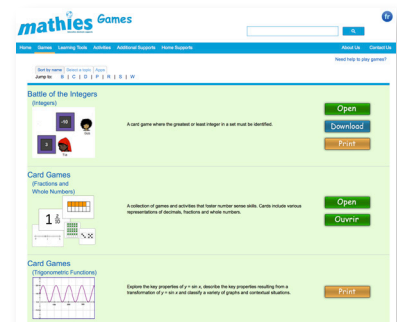
Build foundational math skills & inspire a love of math. Did you know? Succeeding at math can be exhilarating, confidence-boosting and fun! Unleash your child's math power with TVO mPower!



Fundamentals of Mathematics – Parent Guide (Grades 1-8):

edu.gov.on.ca/eng/parents/parent_guide_math_en.pdf

This is an overview of what Ontario students in Grades 1-8 are learning in math, and how you can support your children's math learning at home.



Mathies Games

mathies.ca/games.php

Catch a Bouncing Ball Operations

Catch a Bouncing Ball Representations

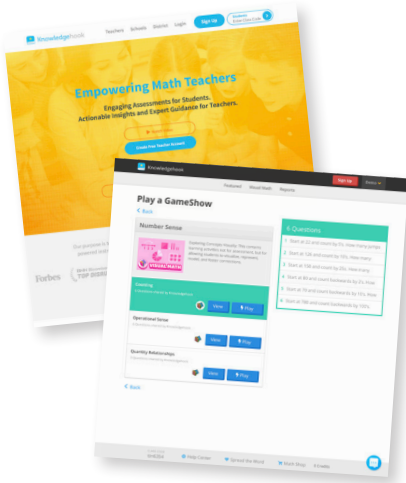


Puffin Academy App

enables access to CLIPS as well as mathies and ePractice on a mobile device

ONLINE RESOURCES

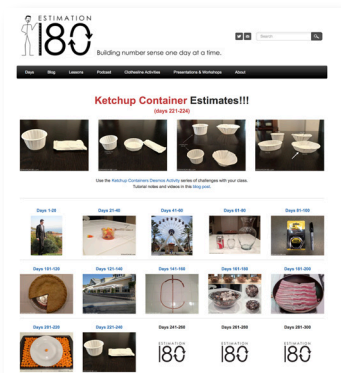
Knowledgehook* knowledgehook.com



Students can enter with classroom generated access code.

Estimation 180 estimation180.com

Estimation 180 is an activity curated by Andrew Stadel, a teacher and Mathematics Coach in California. He created 180 different estimation challenges for his students and published his site, Estimation 180 in 2012. Since then teachers around the world have been using his lessons to develop students' number sense and reasoning.



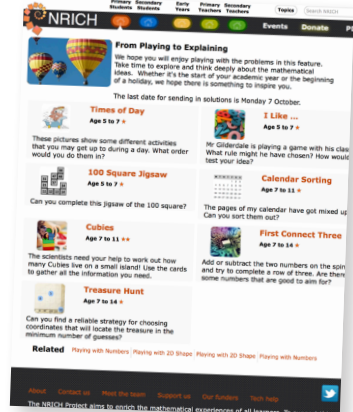
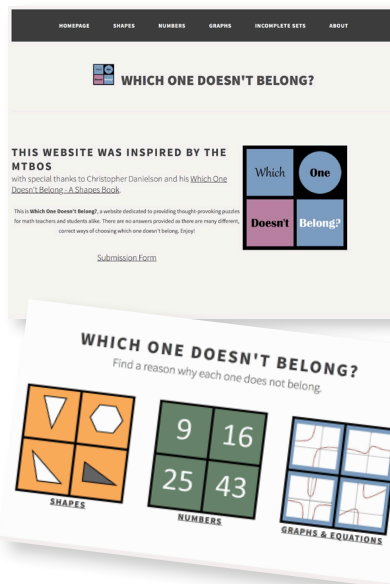
Math Playground mathplayground.com

Math Playground offers varied and abundant practice of math skills for students in Grades K–6.



Which One Doesn't Belong? wodb.ca

This is Which One Doesn't Belong?, a website dedicated to providing thought-provoking puzzles for math teachers and students alike.



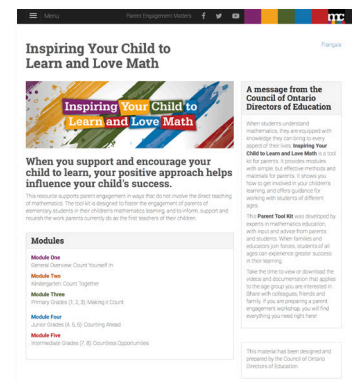
NRICH From Playing to Explaining: nrich.maths.org/14379

Mathematics resources for children, parents and teachers to enrich learning.

Inspiring Your Child to Learn and Love Math:

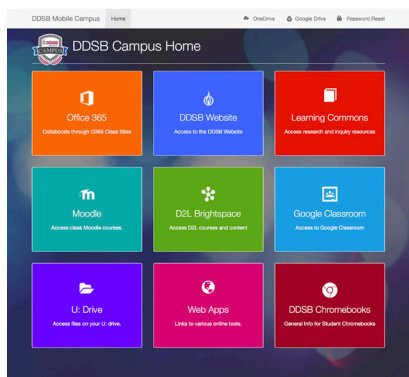
parentengagementmatters.ca/
inspiring-your-child-to-learn-and-love-math

The tool kit is designed to foster the engagement of parents of elementary students in their children's mathematics learning, and to inform, support and nourish the work parents currently do as the first teachers of their children.



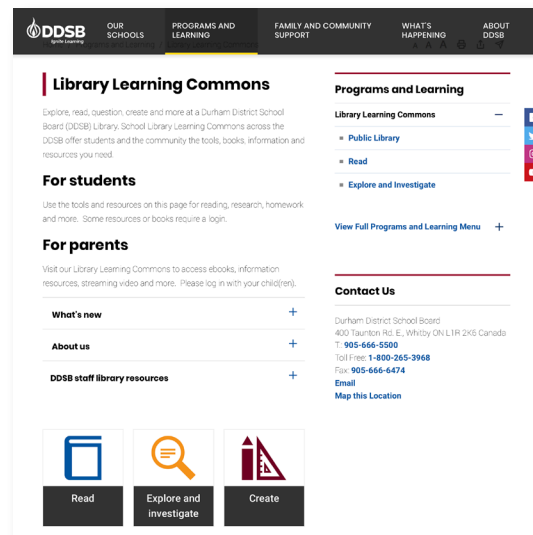
* To access this resource, ask your teacher for a login and password.

DDSB Student Mobile Campus



Student Mobile Campus is the home page for all students in the DDSB. Students can start here for links to DDSB cloud platforms and online learning environments used in the classroom. Students will also find links to supported digital tools and websites.

student.ddsb.ca



DDSB **Library Learning Commons** Site, accessible from the Student Mobile Campus, provides links to ebooks, streaming video, and research databases. While at school, students do not need to log in to library services. To login at home, please ask your classroom teacher or school's teacher-librarian.

ddsb.ca/library

Ontario Educational Resource Bank (OERB)

The OERB is available to students and parents to access ministry- and teacher-curated resources and activities, searchable by grade and curriculum area. Students can access the OERB from home by clicking on D2L Brightspace on the Student Mobile Campus and selecting the OERB link from K-6 Tools or 7-12 Tools.

