

OPTIONAL CONTINUOUS STUDENT LEARNING AT HOME

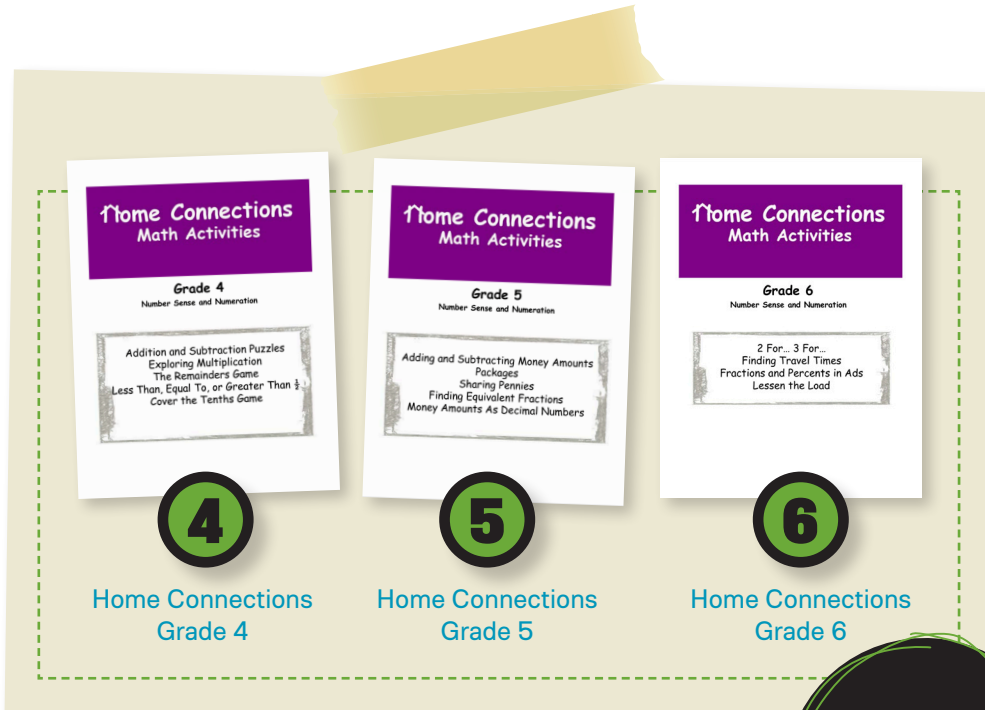
Math RESOURCES
Elementary GRADE 4-8

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

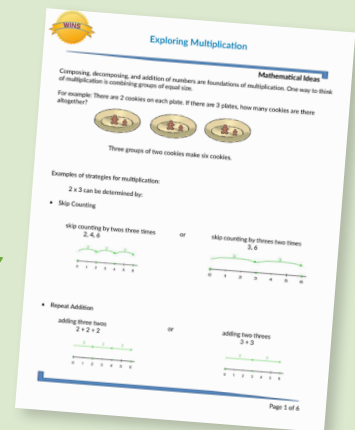
Elementary Mathematics

“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



EXPLORING MULTIPLICATION & DIVISION



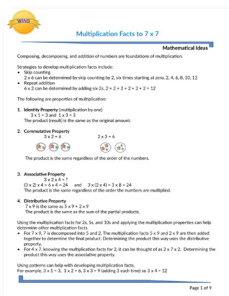
Multiplication



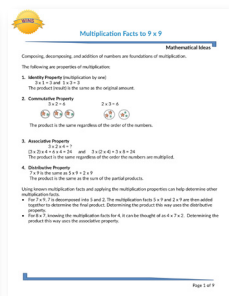
Division

Multiplication and Division Facts

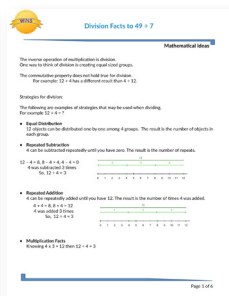
Improve your skills with these activities!



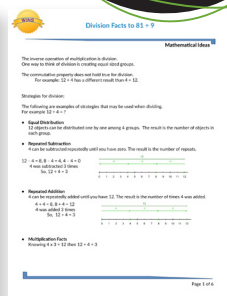
Multiplication Facts to 7 x 7



Multiplication Facts to 9 x 9



Division Facts to 49 ÷ 7



Division Facts to 81 ÷ 9

Elementary Mathematics

Situations Involving Multiplication and Division:

Try puzzles that involve fractions, decimals, percentages, primes and digits in this app.

Sumaze 2

Computational skills and logical thinking

Choose your own level and challenge yourself with these math puzzles. Great for all grades!

KenKen Puzzles

Try these Activities

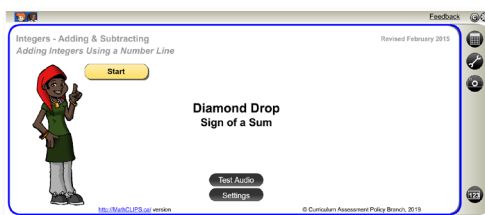
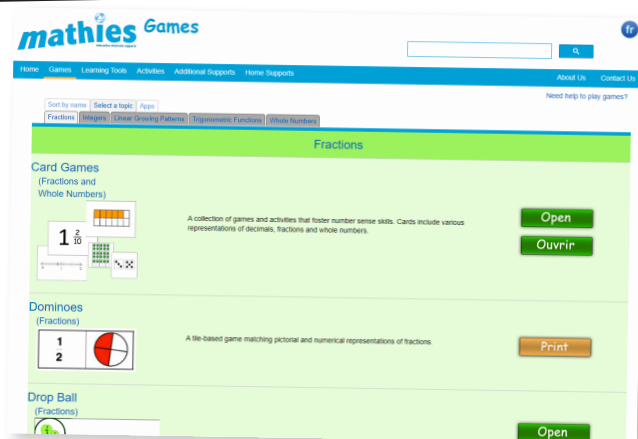
Situations Involving Multiplication and Division with Products to 50

Situations Involving Multiplication and Division with Products to 100

Fractions (Grade 7 & 8) Review

Activities about Numbers and Place Value
nrich.maths.org/13786

Integers (Grade 7)



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



Elementary Mathematics

Problem Solving Tasks

Check out these resources and try some of the problem solving activities!

You can find great problem solving tasks at tapintoteenminds.com

MAKING MATH CONTEXTUAL, VISUAL AND CONCRETE

Everyone can learn and love mathematics by teaching through a relatable context, using concrete manipulatives and visual representations prior to exploring math abstractly.

3 ACT MATH TASKS

Spark Curiosity to Fuel Sense Making in your math class with real world math tasks.

MATH RESOURCES

Rich math tasks, digital math apps, course material, handouts and printables for your math class!

BLOG POSTS

Read my thoughts and reflections as well as my recent math content knowledge learning.

Exploring Multiplication

Dear Parent/Guardian:

We have been learning about the meaning of multiplication. Here are three different ways to represent 3×17 . Ask your child to explain each representation and how each representation could be used to find the answer to 3×17 .



Thank you for doing this activity with your child.

Grade 4 Learning Activity: Chains, Chains, and More Chains! 35

Grade 4 - Multiplication
Exploring Multiplication

30 Packages!

Dear Parent/Guardian:

We have been learning about multiplication. Have your child work on the following activity. Ask your child to explain his or her work.

Find packages in your home that contain between 10 and 50 items (for example, bottles of water in a case, eggs in a carton, tea bags in a box). Find the total number of items in the package.

Next, imagine that you have 30 packages. Determine the total number of items in 30 packages. Show your work in the space below.

Explain your work to a family member.

Thank you for doing this activity with your child.

58 Number Sense and Numeration, Grades 4 to 6 - Volume 3

Grade 5 - Multiplication
30 packages

2 for ..., 3 for ...

Dear Parent/Guardian:

We are learning about multiplication.

Grocery store items are often sold in quantities of 2 or 3 (for example, 2 cans for \$1.99, 3 bottles for \$3.49).

Look through a grocery store flyer with your child, and find examples of food that are sold as "2 for ...", "3 for ...", "6 for ...", and so on.

Select an item and have your child use a calculator to find the cost of multiple items. For example, if the price of tomato soup is 3 cans for \$1.39, you might use a table to record the price of 3, 6, 9, 12, and 15 cans.

Cans	3	6	9	12	15
Price	\$1.39	\$2.78	\$4.17	\$5.56	\$6.95

Next, select a different item with your child. Without your child watching, use a calculator to determine the cost of several of the items. Tell your child the cost of several items, and have him or her estimate the number of items. For example, if containers of yogurt are 2 for \$4.89, you might calculate the cost of 12 containers, and ask: "How many containers could I buy for \$29.34?"

Have your child use a calculator to check his or her estimate.

Thank you for doing this activity with your child.

70 Number Sense and Numeration, Grades 4 to 6 - Volume 3

Grade 6 - Unit Rate
2 for..., 3 for...

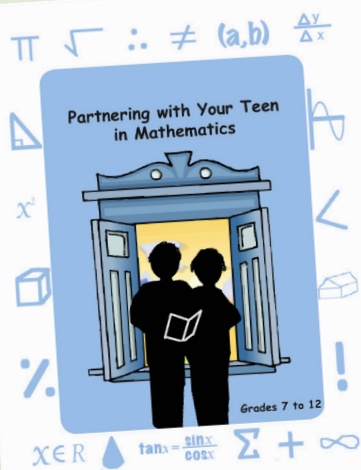
PARTNERING WITH YOUR TEEN

This resource is intended to help you support your teen with learning mathematics in grades 7 to 12.

It is guided by the belief that all students can be successful in mathematics and all parents can be successful in supporting their teens in learning mathematics.

Partnering with Your Teen

Partnering with Your Teen in Mathematics

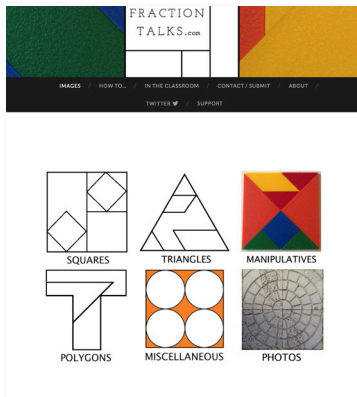


ONLINE RESOURCES

Fraction Talks

fractiontalks.com

Simple visuals that foster creative thinking around fractions.



Inspiring Your Child to Learn and Love Math:

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

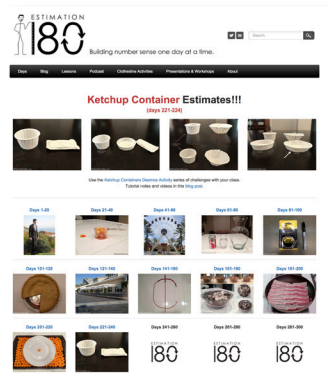
The tool kit is designed to foster the engagement of parents of elementary students in their children's mathematics learning, and to inform, support and nourish the work parents currently do as the first teachers of their children.



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.



Inspiring Your Child to Learn and Love Math:

parentengagementmatters.ca/inspiring-your-child-to-learn-and-love-math#module-04

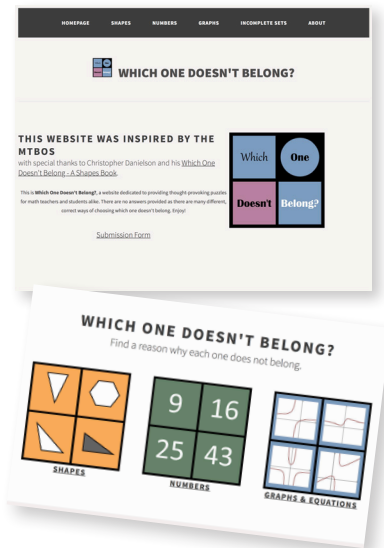
Take the time to view or download the videos and documentation that applies to the age group you are interested in. Share with colleagues, friends and family.



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.



Knowledgehook*

knowledgehook.com

Students can enter with classroom generated access code.



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

ONLINE RESOURCES

Ministry of Education's Mathematics Parent Guide

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



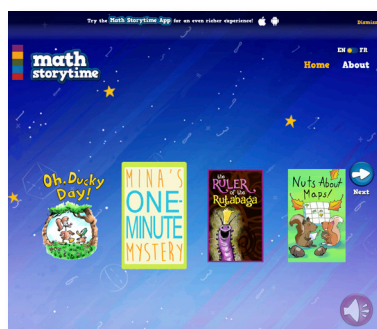
Read the Ministry of Education's guide to adding math into everyday activities at home. Help your child add, subtract, divide and multiply with confidence.

Available in 13 languages.

Math Storytime

mathstorytime.ca/en

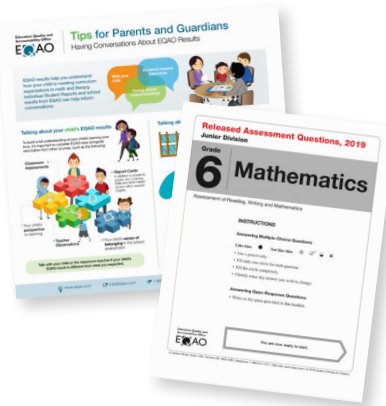
The objective of Math Storytime is to help parents explore simple math concepts with their children through stories...



EQAO

eqao.com

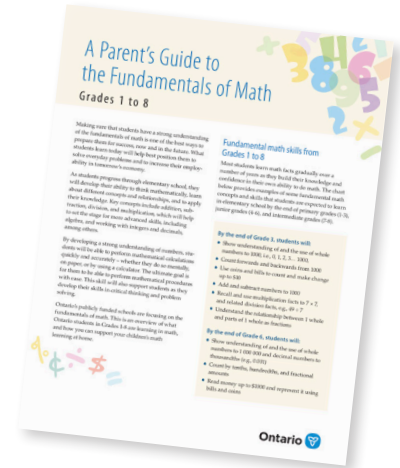
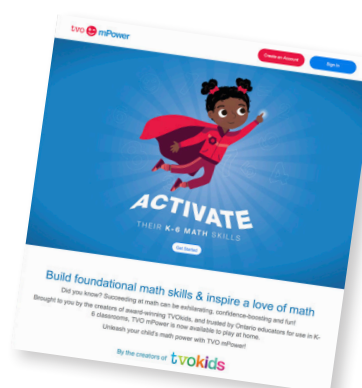
The Assessment of Reading, Writing and Mathematics, Junior Division (Grades 4–6) tests the reading, writing and math skills students are expected to have learned by the end of Grade 6. Students write this test during a two-week testing window in May/June each year.



TVO mPower

tvompower.com

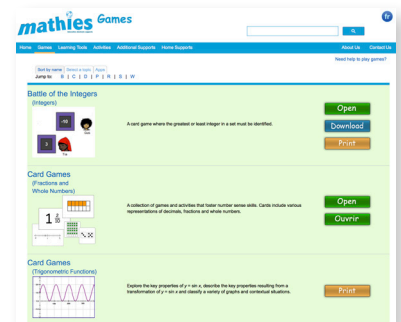
Build foundational math skills & inspire a love of math. Did you know? Succeeding at math can be exhilarating, confidence-boosting and fun! Unleash your child's math power with TVO mPower!



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.



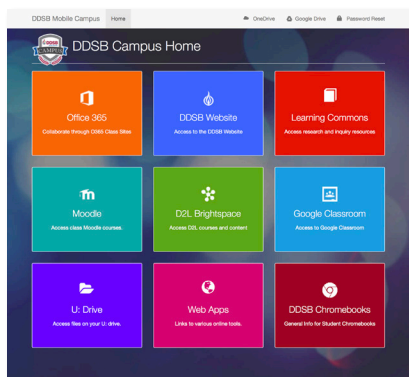
Mathies Games

mathies.ca/games.php

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

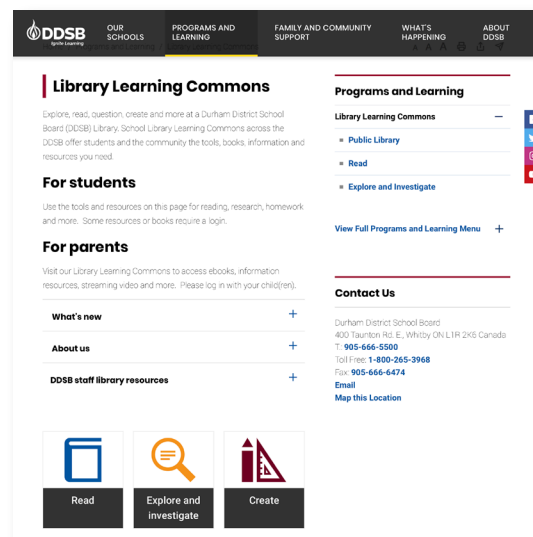


DDSB Student Mobile Campus



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.

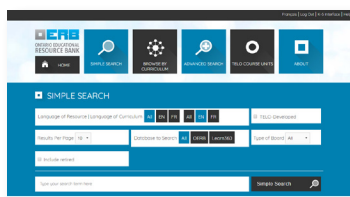
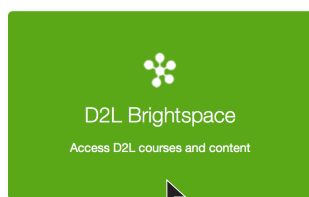
student.ddsb.ca



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



The 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 link from K-6 Tools or 7-12 Tools.

Mathify

tvomathify.com

Students can access an Ontario Certified Teacher online and work through questions related to their course. Students have likely already created an account, but in case they have not, all that is required is their OEN number which can be found on any of their report cards. *(Please note that this is NOT their student number from the school)*

