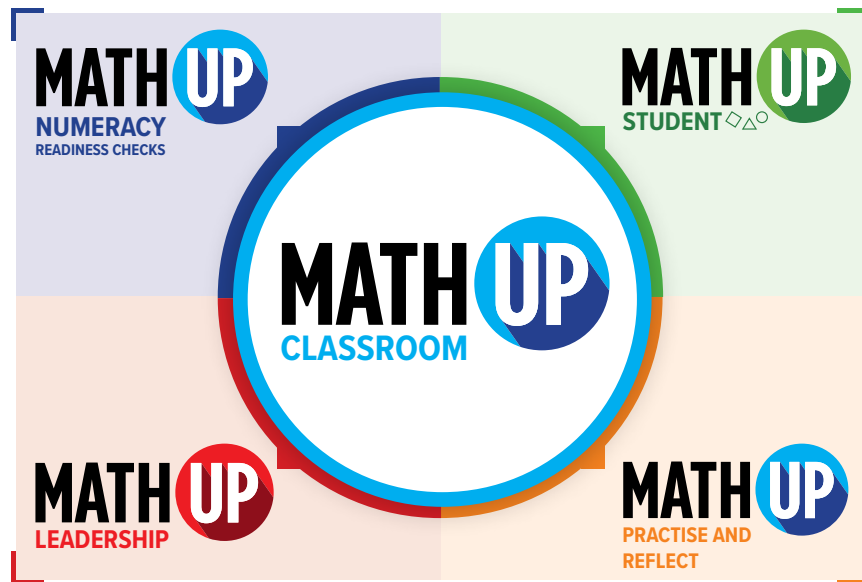


Ru**bi**con

The MATH **UP** Solution



**Coherent. Connected.
Canadian.**



The MATHUP Solution

Coherent. Connected. Canadian.

The **MathUP Solution** brings math teaching and learning together in one unified suite of resources, anchored by **MathUP Classroom**. It integrates instruction, assessment, practice, and instructional leadership into a single, cohesive package.

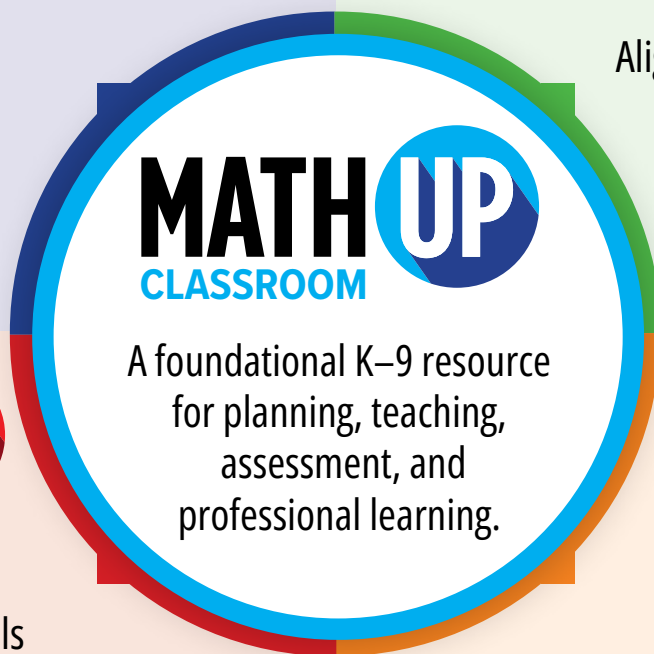
A focused and consistent approach to math education enables students to make meaningful connections and develop deep mathematical understanding. By aligning instruction, practice, and assessment, **MathUP** builds student confidence and supports long-term success. This alignment also removes the need for teachers to search for supplementary resources, saving valuable time while maintaining coherence, intentionality, and instructional integrity across math learning.



Identify student skills and understandings with targeted activities to support.



Actionable data-driven tools that help principals drive school-wide math improvement.



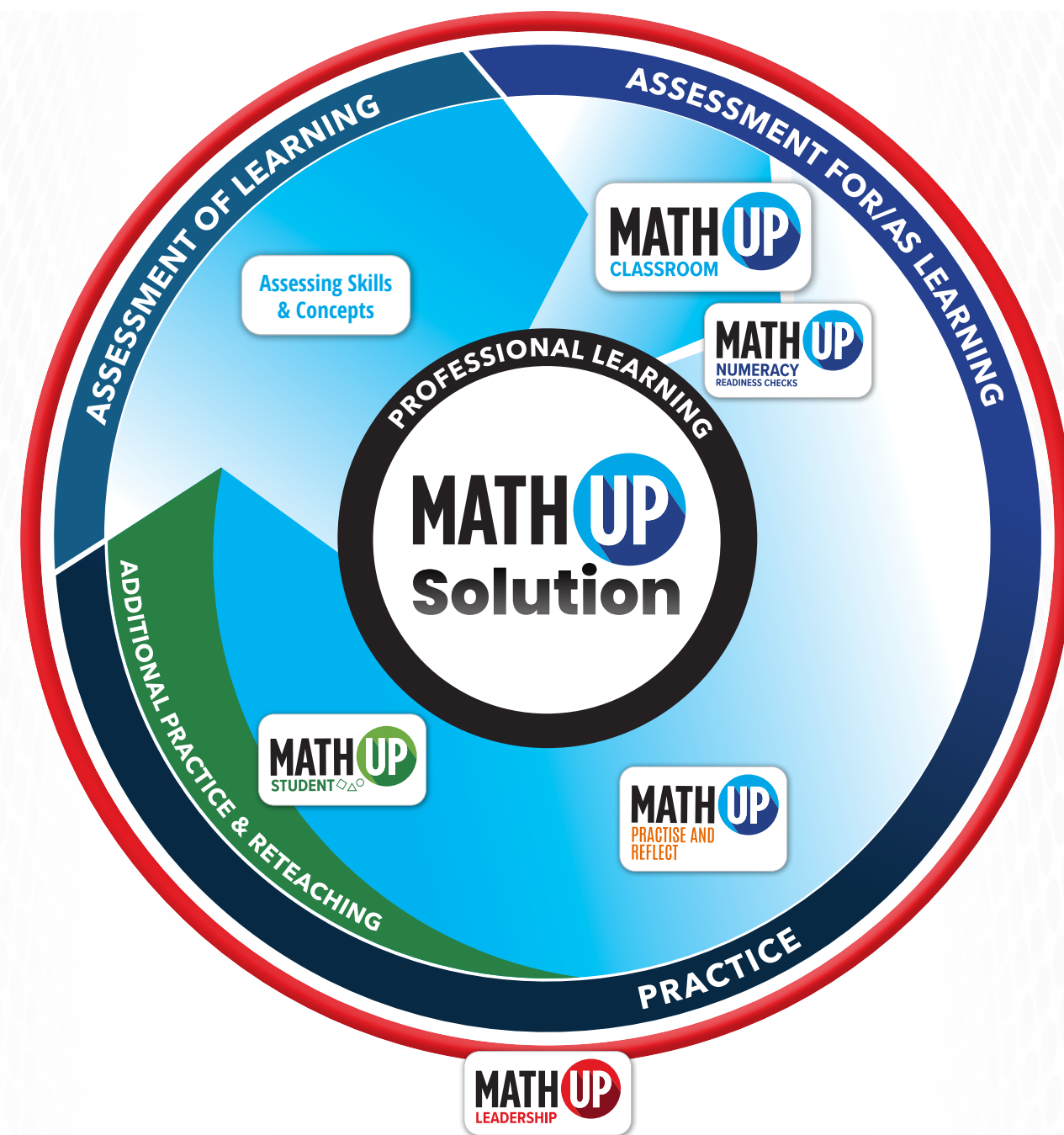
A foundational K–9 resource for planning, teaching, assessment, and professional learning.



Aligned digital practice and support that extend learning in class and at home.



Consumable print companion to **MathUP Classroom**.



Marian Small

Marian Small is an internationally recognized mathematics educator, author, and professional learning consultant. With a career spanning more than four decades, Dr. Small is widely regarded as one of Canada's most influential voices in math education



Created by Marian Small, **MathUP Classroom** is a comprehensive K–9 digital resource with rich professional learning woven throughout. Designed with three-part lessons, assessment, and practice, **MathUP Classroom** has everything that you need to efficiently and intentionally address all curriculum requirements.

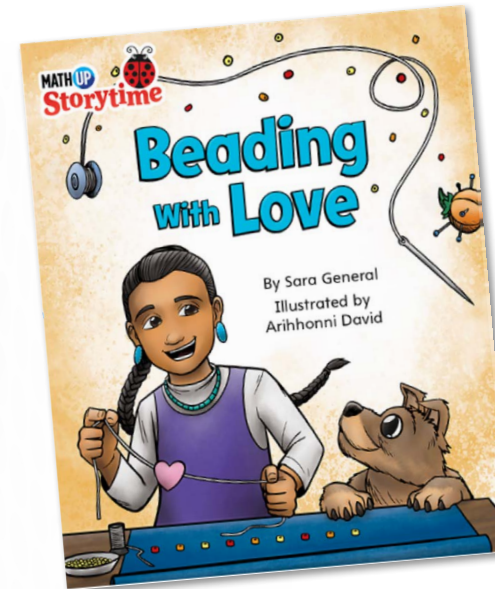
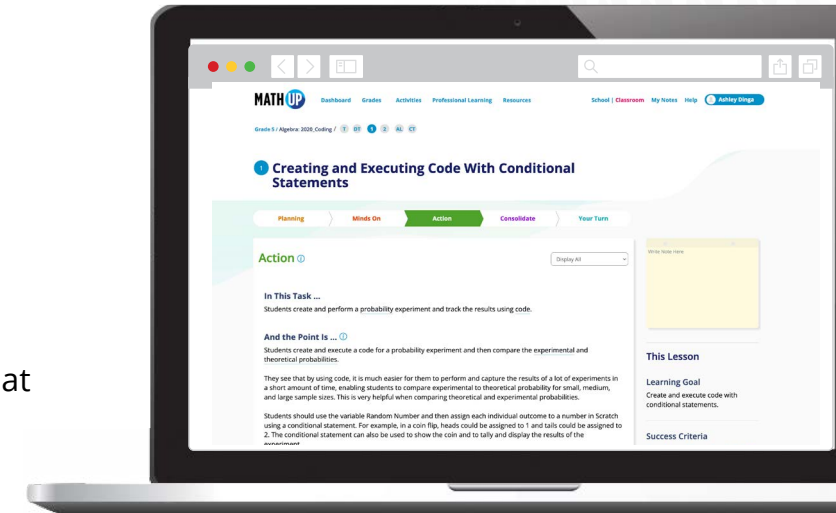
Highlights

- Lessons and Assessments
- 1400 videos to support teachers
- 1500 games and activities
- Planning support
- English and French
- Easy-to-use digital platform



Integrated Teaching Support

MathUP Classroom supports intentional instruction by embedding professional learning into the daily workflow. From hundreds of professional learning videos to key features like “And the Point Is ...,” Marian shares her years of experience and research to provide a balanced, informed approach that includes problem solving, skill development, and mathematical fluency.



Comprehensive and Engaging Three-Part Lessons and Activities for Students

MathUP Classroom expertly blends rich problem solving with conceptual understanding and fluency, using three-part lessons, games, and a variety of activities to cover all curriculum requirements. The rich library of resources includes:

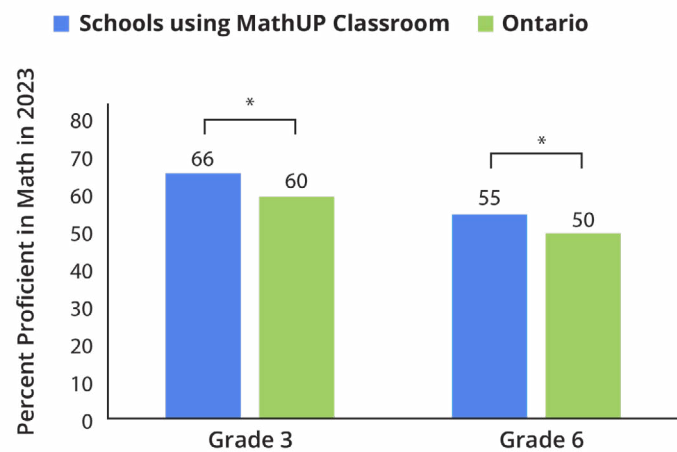
- Number Talks
- Problem Solving activities
- Digital and Hand-On games
- Cross-Strand Tasks
- Storytime books

Demographic Profile

Province: Ontario

Number of MathUP Classroom Students Sampled: Grade 3: 1053, Grade 6: 7221

School Year: 2022-2023



*NOTE: Grade 3: $t(17) = 2.23, p < .05$; Grade 6: $t(101) = 3.42, p < .001$

Student Learning Gains with MathUP Classroom

Independent research shows that schools using **MathUP Classroom** had statistically higher EQAO results in Grades 3 and 6 than the provincial average.

See the results

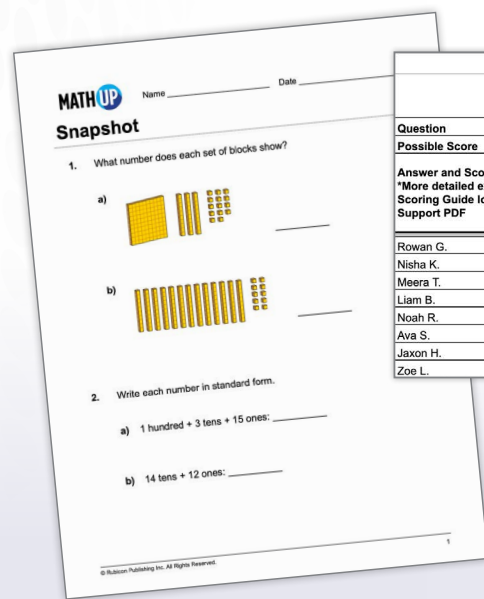
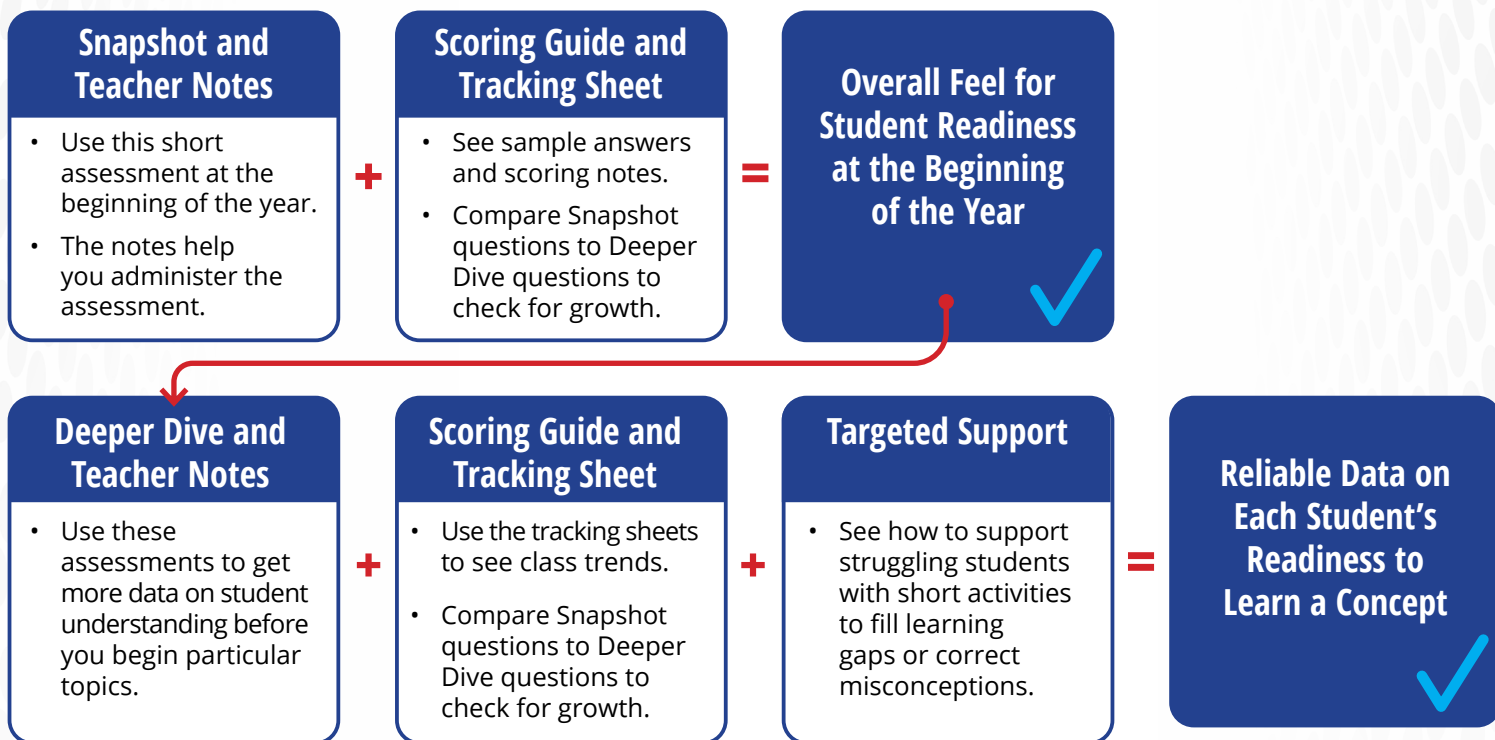


Canada has the world's longest coastline. About how many times as long as the shoreline of the Great Lakes is Canada's ocean coastline?



Written by Marian Small to supplement **MathUP Classroom**, the **Numeracy Readiness Checks** are flexible assessments that offer Grades 1–9 educators key insights into students' numeracy skills and understanding. The assessments check the most vital prerequisites to provide teachers with a sense of students' readiness.

Student Readiness Workflow

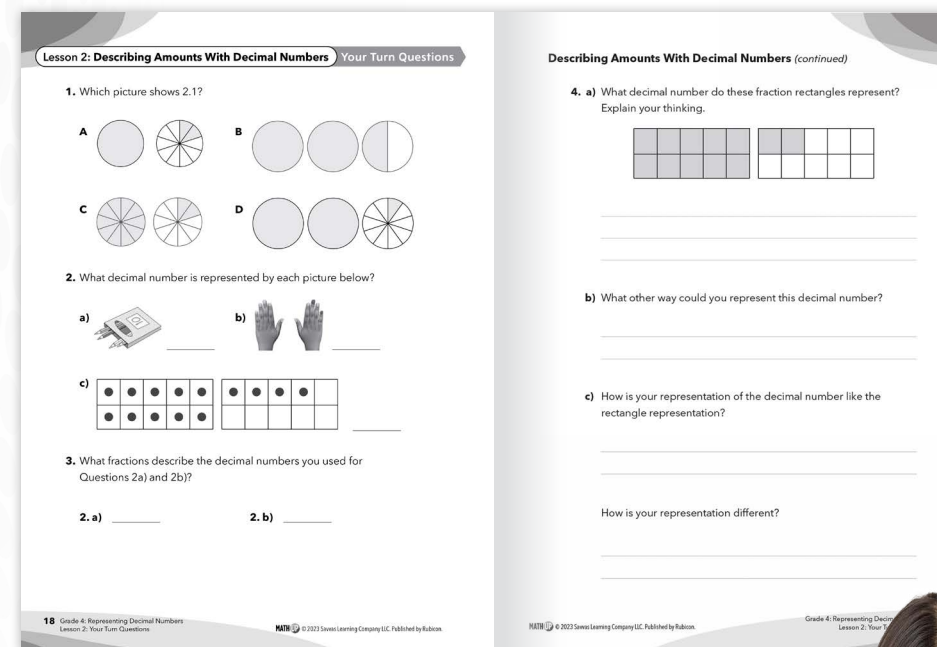


Deeper Dive: Counting and Representing Numbers						
Question	Question 1.3a)	Question 1.3b)	Question 1.4	Question 1.5	Question 1.6	Total Score
Possible Score	/1	/1	/2	/2	/2	/12
Answer and Scoring Guide* *More detailed examples available in the Scoring Guide located in the Teacher Support PDF	Answer: 145	Answer: 152	Answer: See scoring guide. Give 2 points for three ways and only 1 point for two ways.	Answer: See scoring guide. Give 1 point for one or two representations and 2 points for three representations.	Answer: The 3 in 34. See scoring guide.	10 or more reflects a strong foundation. 6 - 9 suggests expected development for many students. < 6 indicates that there might be mathematical issues that might require revisiting.
Rowan G.	1	1	1	1	2	8.5
Nisha K.	1	1	1	0	1	7
Meera T.	1	1	1	0	1	5.5
Liam B.	1	1	1	1	2	10
Noah R.	1	1	2	1	2	11
Ava S.	1	1	2	1	2	11
Jaxon H.	1	0	1	0	1	3.5
Zoe L.	1	0.5	1	1	1	8



The **MathUP Practise and Reflect** consumable print books provide the same student-facing practice found in **MathUP Classroom** in a screen-free format.

These books are a significant timesaver, eliminating the need for printing, photocopying, and collating worksheets. They help students keep their work organized while giving parents/caregivers clear insight into their child's learning progress when the books are sent home.

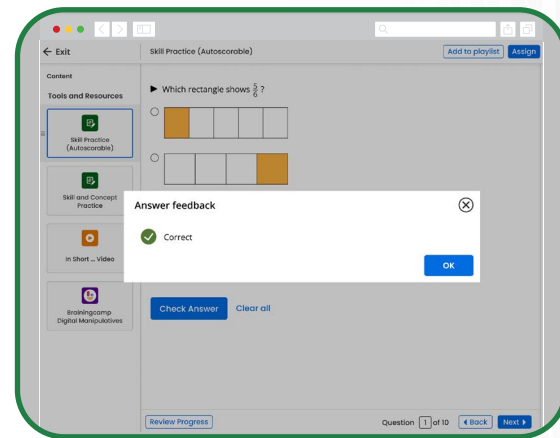




MathUP Student is a digital resource for Grades 1–9 that delivers targeted practice, reteaching, and differentiated support, enhanced by custom AI functionality. Designed to align seamlessly with **MathUP Classroom** foundational lessons, it ensures complete instructional coherence. Each question reinforces the precise conceptual progressions and mathematical language introduced in class, eliminating the disconnect students often experience when transitioning from instruction to independent practice.

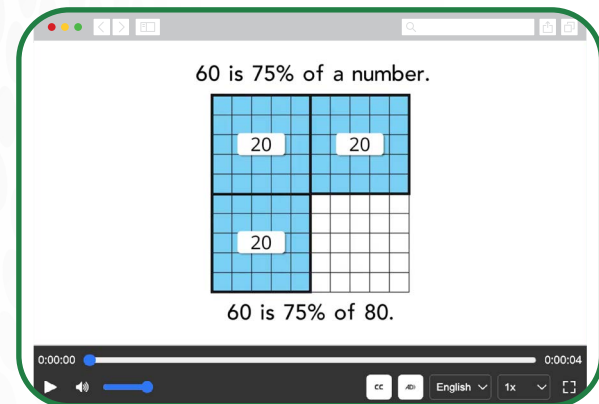
Aligned Assessment for Learning

Autoscorable questions provide students with immediate feedback, and give teachers real time data to inform instructional next steps. Printable skill- and concept-based questions align directly with **MathUP Classroom**.



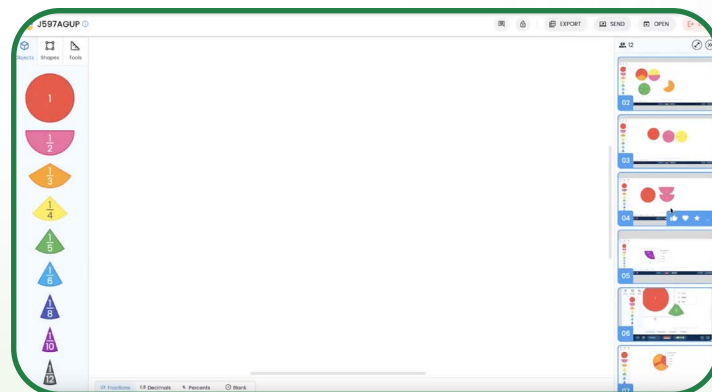
Opportunities for Reteaching

The In Short ... videos deliver consistent messaging across all learning environments — from small-group instruction at school to follow-up practice at home. Narrated by Marian Small, these videos simplify complex mathematical ideas for students and serve as a valuable resource for parents/caregivers supporting learning at home.



Embedded Digital Manipulatives

Integrate **MathUP** activities into the digital manipulatives to give students even more ways to represent and extend their mathematical thinking. Teachers can capture and analyze student thinking in real time as students work through problems.

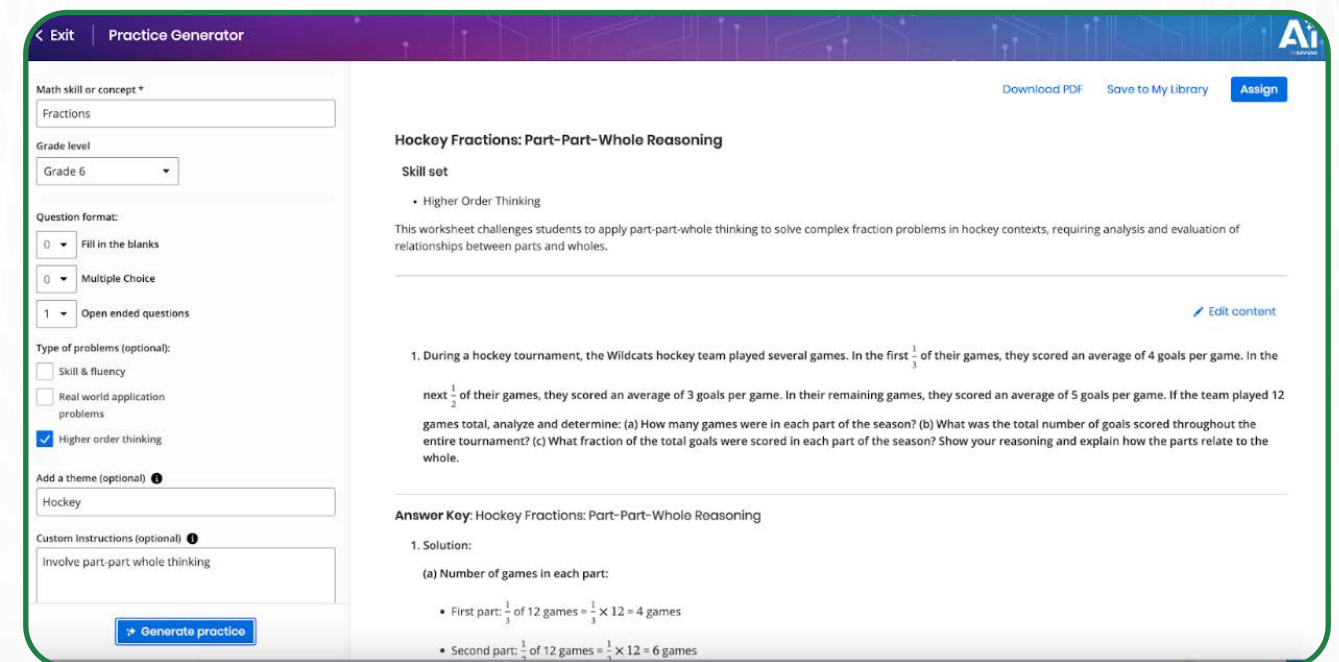


Introducing AI Support

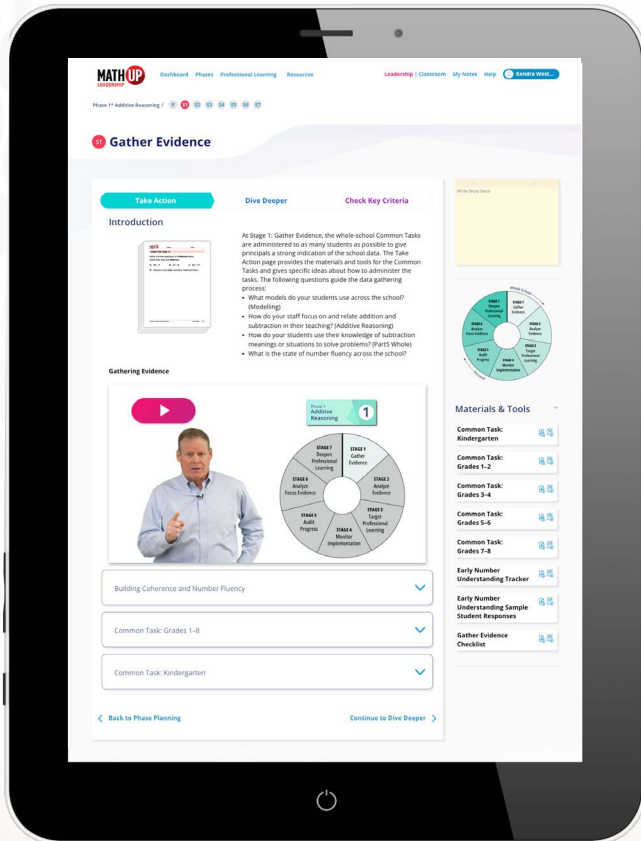
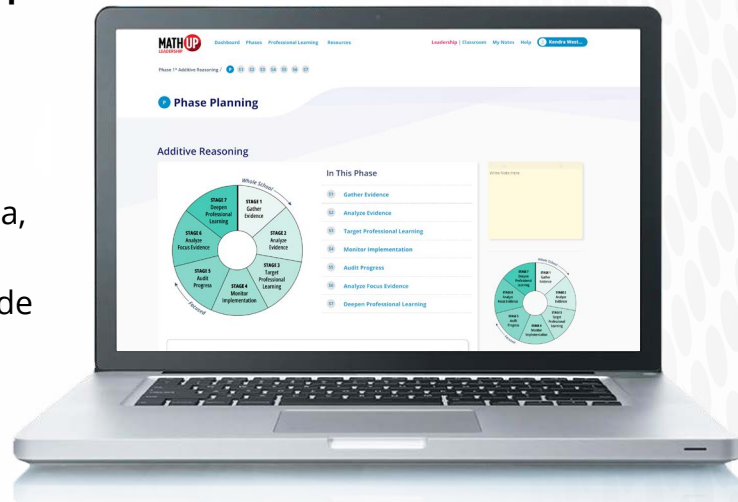
MathUP Student now also includes secure AI tools designed to quickly create additional practice that closely links to the concepts taught in **MathUP Classroom**.



- **Curriculum Alignment:** Search by provincial curricula using an easy drop-down menu.
- **Differentiation Assistant:** Instantly creates activities at three entry levels — emerging, on-level, and advanced. The assistant can also tailor to diverse learning styles and creative work options.
- **Practice Generator:** Drives mastery with personalized tasks based on student interests, ranging from fluency development to real-world applications with worked solutions.
- **Multilingual Support:** Supports diverse classrooms by generating lesson plans and resources in multiple languages.



Developed by Doug Duff, **MathUP Leadership** is an online resource with accompanying implementation support that leverages the instructional leadership of the Principal to create meaningful change at a school level. Using a systematic process and real-time data, **MathUP Leadership** provides all the tools needed to effect both school- and system-wide improvement in mathematics.



MathUP Leadership provides a path to success, that includes:

- **The School Improvement Cycle:** A proven Plan-Act-Assess process that builds a common language across all grades.
- **The Pedagogical Pathway:** A research-backed progression from additive to multiplicative to proportional reasoning, ensuring professional learning is never overwhelming.
- **Data-Gathering Tools:** Common tasks and “look fors” provide real-time data to inform school-wide professional learning decisions and create meaningful change throughout the school.
- **Expert Support:** Includes targeted PL modules and direct guidance from Doug Duff to partner in your school’s success.

Flexible Implementation Support

MathUP Leadership provides both in-person and virtual support options to ensure each school achieves optimal results.



Lead

Identify your school's key areas for improvement.



Plan

Gather and analyze data to inform your action plan.



Grow

Monitor progress and adapt your plan for continued success.

MathUP Leadership Virtual Series: Driving Measurable Change

Join Doug Duff for a five-session virtual course to drive sustainable learning in your school. Over five sessions, you'll learn to:

- Pinpoint key areas for growth using real-time student data.
- Build teacher expertise with practical tools and professional learning strategies.
- Sustain momentum with easy-to-implement routines and a powerful school improvement cycle.
- Monitor and celebrate success with simple tools, criteria, and checklists.

In-Person Implementation

In-person implementation support is available for districts that prefer in-person learning environments. Custom implementation packages are available.

Doug Duff

Doug Duff is an experienced educator, administrator, and principal instructional leader. He spent 20 years with the Thames Valley District School Board in London, Ontario, and has contributed to math education and school improvement initiatives in a variety of national and international roles.

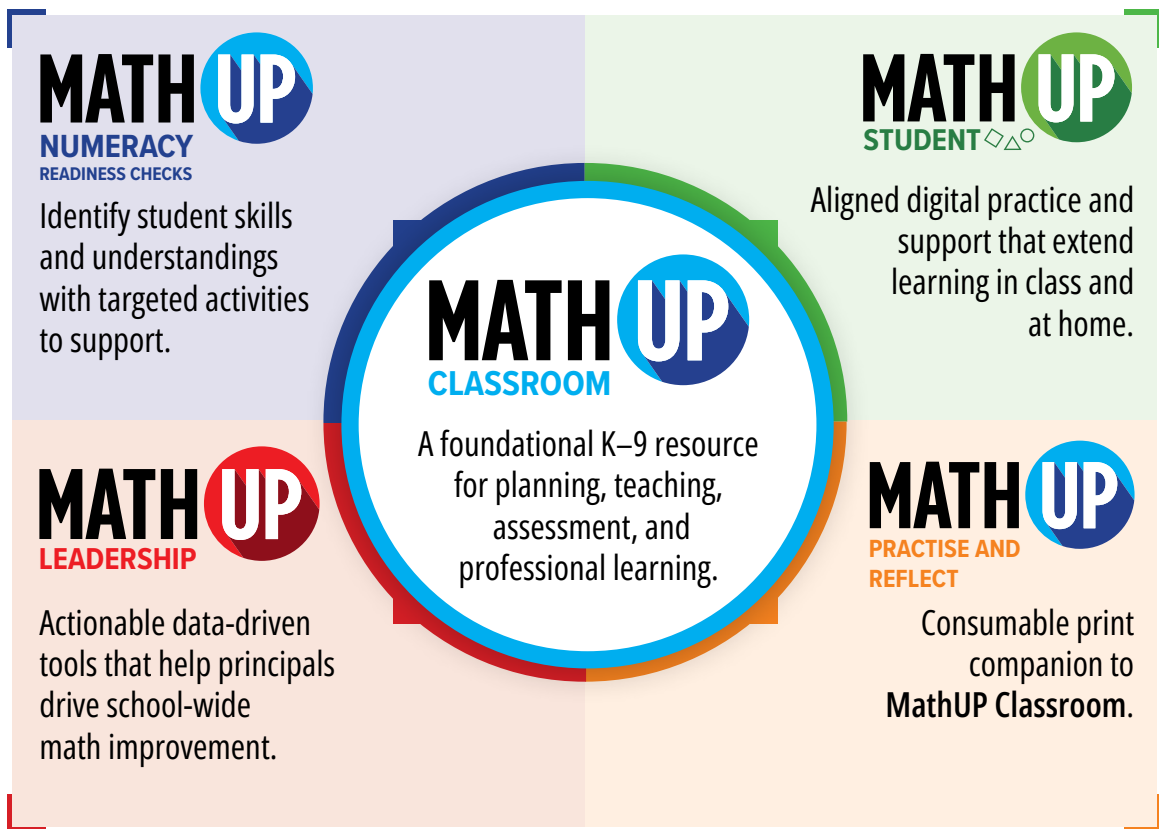


The MATH UP Solution

Coherent. Connected. Canadian.

The **MathUP Solution** is a cohesive ecosystem that ensures consistent learning experiences for students and aligned support for teachers.

MathUP is Canada's leading math solution, trusted by more than 62 000 Canadian educators.



Welcome to a consistent and intentional model for math success. Welcome to the **MathUP Solution**.

