



# Math Champs

By the US Math Recovery Council®



# **From Instructor to Student**

**Helping children succeed and advance in mathematics through targeted live, online high-dosage tutoring sessions.**

## **Math Champs Lessons**

Math Champs lessons are a series of 30-minute sessions providing core instruction, accelerated learning or enrichment in one-on-one or small group (2-3 students) settings. Session frequency options range between 2 to 5 days per week. The initial focus of lessons is on K-4 grade levels.

**Each student enrolled in Math Champs will receive:**

1. One-on-one or small group (2-3 students) sessions with frequency options for 2 to 5 days per week.
2. 30-minute lessons with a certified Math Champs Specialist to take place for approximately 10-20 weeks.
3. An initial diagnostic assessment used to create instructional plan.
4. Individualized instruction delivered by highly-specialized tutors aimed at advancing critical mathematical knowledge and skills for success.
5. Math manipulatives that support students' current instructional level, to use during lessons.



# Services



Services may be provided before or after school, during the school day, or within summer school sessions. Sessions are delivered virtually, using Zoom video conferencing. Districts must assign a Liaison as the point person for communicating and scheduling with USMRC. For virtual sessions, school districts may need an adult to support the student(s) connecting to Zoom. Additional items the district may need to provide to support this service include:

- Individual student computers with webcam
- Headphones
- Quiet space to do lessons and use math materials
- Parent permission to record sessions - recorded lessons are used to reflect on and plan next instructional steps







## Implementing Math Champs in your School or District

Math Champs is a service of the US Math Recovery Council® (USMRC), a 501(c)(3) nonprofit. The mission of the USMRC is to transform numeracy education, to connect research with practice, and to empower educators to advance student mathematical thinking and success through research-based Math Recovery® principles. USMRC has been offering mathematics professional development to classroom educators, math coaches and specialists for over 20 years.

Each district or school will have trained Math Champs Specialists assigned to them who will deliver all sessions with students. A Math Champs Liaison will establish and maintain communication between USMRC and your school or district. The Math Champs Liaison will also facilitate discussions on assessment data which will inform grouping and scheduling of students. Districts or schools implementing Math Champs will work in collaboration with USMRC to schedule students in one-on-one or small groups after an initial math assessment. .

Math Champs is based on Math Recovery®, a system of support used in schools across the United States and beyond. **All Math Champs Specialists are highly-qualified, with Math Recovery certification, and has each of the following:**

- A Bachelor's Degree or higher
- Prior classroom teaching experience
- Math Recovery® Specialist certification or is currently working towards full certification through USMRC
- Passed a background check
- At least 100 instructional hours of experience with 1-on-1 or small groups of students
- A passion for advancing students' mathematical thinking

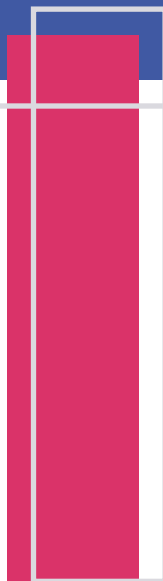
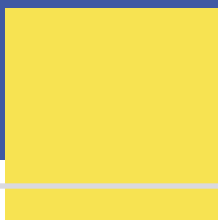
Math Recovery Specialist certification signifies the educator has successfully completed a deep level of professional development and support available through the US Math Recovery Council. These intensive, blended-learning professional development experiences include continual cycles of instruction, reflection, and refinement resulting in a high level of expertise in mathematics instruction.

# Assessing Students

Our assessments help to identify students' current levels of understanding, which are foundational to mathematics learning, and often occur in the elementary grades. After initial assessments, a collaborative conversation between the school district and USMRC Math Champs Liaisons takes place to determine the appropriate level of services, including group size, student groupings, lesson focus, etc.

The initial assessment and 30-minute lessons are based on the assessments and the teaching charts from the Math Recovery Specialist's course book *The Learning Framework in Number*. *The Learning Framework in Number* provides the pedagogical tools to support a comprehensive approach to teaching and learning number across the grades. Instruction is undertaken with students from multiple grade levels, with varying group sizes, across multiple domains of number learning, and in a wide variety of lesson and intervention cycle frequencies and durations.

USMRC is committed to protecting student privacy. Data security practices adhere to US Department of Education guidance and best practices for protecting student data and privacy.



# Modes of Intervention



**Services may be provided in three modes. These are defined and described below & continue onto the next page.**

Math Recovery Intensive Early Intervention is our label for the original Math Recovery intervention model. The research and practice behind this methodology indicates that this application provides the greatest potential for success.

The focus on first grade allows students time to initially engage in learning in the classroom. While some students entering school behind their peers in number knowledge will progress nicely in the classroom, others will continue to struggle --- even with quality classroom instruction. We know that, without intervention, these students are likely to continue struggling, often developing negative attitudes toward mathematics and falling even further behind. These are the students who can most benefit from this intensive, one-on-one intervention.

## **Math Recovery Intensive One-on-One Early Intervention for First Graders**

<b>Grade-level</b>	1st Grade
<b>Ratio (teacher - student)</b>	1:1
<b>Cycle duration</b>	40-60 lessons (10-15 weeks)
<b>Lesson duration &amp; frequency</b>	30 minutes daily
<b>Video recording</b>	Used routinely for reflection and planning
<b>Lesson focus area</b>	<ul style="list-style-type: none"><li>• Early Number Words and Numerals</li><li>• Early Structuring</li><li>• Early Arithmetical Strategies</li><li>• Conceptual Place Value</li></ul>

## Modes of Intervention (Continued)

Our goal is to accelerate learning to close the knowledge gap and support the student in gaining the knowledge to allow them to continue learning at a rate with their peers. The identified content focus and pedagogical tools support identification of these students and inform appropriate instruction. The video-recording used for daily reflection and planning is critical in maintaining student-centered, pin-pointed instruction. It is through this mode that we are able to achieve such positive results with short-term intervention.

### Math Recovery One-on-One Targeted Instruction

<b>Grade-level</b>	Kindergarten - 5 to 8th Grade students working in IFIN targeted areas of instruction
<b>Ratio (teacher - student)</b>	1:1
<b>Cycle duration</b>	Varies - typically 10-15 weeks
<b>Lesson duration &amp; frequency</b>	Varies - typically 30 minutes, 2-4 times a week
<b>Video recording</b>	Used routinely for reflection and planning
<b>Lesson focus area</b>	Based on student need

### Math Recovery Small Group Targeted Instruction

<b>Grade-level</b>	Kindergarten - 5 to 8th Grade students working in IFIN targeted areas of instruction
<b>Ratio (teacher - student)</b>	1:2 or 1:3
<b>Cycle duration</b>	Varies - typically 4-12 weeks
<b>Lesson duration &amp; frequency</b>	Varies - typically 30 minutes, 2-4 times a week
<b>Video recording</b>	Used routinely for reflection and planning
<b>Lesson focus area</b>	Based on student need

These two modes for targeted instruction allow for a range of application to support student learning. In fact, any student, regardless of age or grade, whose number knowledge falls within the learning progressions of the Learning Framework in Number (LFIN) can be considered. Instruction work focusing on LFIN Domains can be used to achieve goals such as, identifying and addressing student misconceptions or deficits, accelerating learning to close an achievement gap, and preparing students for upcoming learning goals.



### Student Kits of Materials

Kits will be assigned to students based on the results of their initial assessment. Kit components allow students to explore an idea in an active, hands-on manner with their Math Champs Specialist. The cost of materials and kit shipping is included in the Math Champs service cost.

### Support for Implementation

A Math Champs Liaison assigned to the district will maintain close communication to determine mode of intervention based on assessment and when students exit the service or new students are serviced.

### Ongoing Reporting

- Assessments & reports, accessible through our Member Center, allow you to evaluate program success and student participation and growth. Designated school personnel are given access to student progress reports.
- Student records are kept up to date on progress by Specialists weekly

### Possible Funding Streams

Flexible funding streams are available for this tutoring service. If there are specific criteria needed to apply for funding, we will work with your school or district to clarify if we meet specific requirements. Some funding sources that may support Math Champs services include Title 1, IDEA, Special Education Funding, Title 4 Part B, Extended Learning, CARES Act, GEER II, and more.

### Pricing

The cost of Math Champs depends on the ratio of students serviced. Services are done in one-on-one sessions, groups of two or groups of three students at a time. This cost includes: the initial assessments, math manipulatives kits, and Specialist planning which requires the teacher watching the video recording of each lesson to plan for the next session.

Ratio (teacher: student)	Cost per session
1:1	\$85
1:2	\$130
1:3	\$160

### Contact Us

Visit our website at [www.mathrecovery.org/mathchamps](http://www.mathrecovery.org/mathchamps) to learn more and contact us about Math Champs services.



Learn more by visiting our website:  
**[mathrecovery.org/mathchamps](http://mathrecovery.org/mathchamps)**

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