



**Announcing:
Walch’s Response to Intervention (RTI) Resources for CCSS High School Math**

Recent test results and the challenges of transitioning to the Common Core State Standards and new, state math standards have resulted in increased demand for tools to support intervention and remediation.

Walch’s Support Supplements, purpose-built for the Common Core State Standards and the 8 Standards for Mathematical Practice, are ideal for targeted and ongoing remediation, and can help to get high school math students back on track.

For each CCSS high school mathematics topic, the Support Supplements identify prerequisite skills and provide instructional materials, including direct instruction, guided practice with interactive applets, recommended open educational resources (OER), problem-based tasks with optional coaching questions, and practice. These materials review, remediate, and fill gaps to prepare students for success in their high school class. Further, the Support programs offer specific strategies for employing graphic organizers and manipulatives, as well as suggestions to be used for stimulating discourse, attending to the needs of English Language Learners, and addressing common errors and misconceptions.

Each Support Supplement allows RTI and other remediation and support efforts to coordinate seamlessly with core course curriculum so that struggling students get the specific learning opportunities that they need, on a lesson-by-lesson basis, to ensure progress and success in their required math courses. The program’s design reflects best-practice research on how prior knowledge must be structured and activated in order to enhance learning:

- “If students’ prior knowledge is robust and accurate *and activated at the appropriate time*, it provides a strong foundation for building new knowledge.”
- “Students naturally make connections between pieces of knowledge. When those connections form knowledge structures that are accurately

and meaningfully organized, students are better able to retrieve and apply their knowledge effectively and efficiently.”

(From *Learning Principles*, the Eberly Center at Carnegie Mellon University, <https://www.cmu.edu/teaching/principles/learning.html>)

Walch’s comprehensive Readiness Tests, available in paper-and-pencil or auto-scored online formats, provide an initial assessment of gaps in prerequisite skills, allowing RTI programs to focus and differentiate to meet the needs of struggling students.

As an example, the following tables reflect a typical lesson from an Algebra I or Math I course, “Solving Equations and Inequalities.” Whether this is the fifth lesson in Unit 1 of an Algebra I class or the first lesson in Unit 3 of a Math I class, students need the prerequisite skills listed in order to succeed, and it benefits them to shore up those skills in concert with their application in math class, rather than in a disconnected fashion in a basic skills review program.

Algebra I and Math I

Algebra I	Math I	Solving Equations and Inequalities	
1.5.1	3.1.1	Properties of Equality	A–REI.1
1.5.2	3.1.2	Solving Linear Equations	A–REI.3
1.5.3	3.1.3	Solving Linear Inequalities	A–REI.3
1.5.4	3.1.4	Solving Exponential Equations	A–REI.1

Support Supplement

Solving Equations and Inequalities: Prerequisite Skills	
<i>E-Skill 1: Applying the Order of Operations</i>	5.OA.1
Skill 1: Using the Distributive Property	6.EE.3
Skill 2: Solving Equations*	8.EE.7b
Skill 3: Solving Simple Inequalities	7.EE.4b
Skill 4: Working with Exponents (Raising a Base to a Power)*	6.EE.1
Skill 5: Using Properties of Exponents*	8.EE.1

Walch’s support supplements are flexible toolkits of purpose-built resources that equip RTI teachers to offer struggling students the support and instruction that they need, just when they need it.

For more information, e-mail customerservice@walch.com.