

MAP Growth to Khan Academy

Overview

This math-focused resource correlates MAP® Growth™ instructional areas and RIT ranges to Khan Academy® exercises. Scenarios guide you to explore the use of its interactive exercises with students.

Directions

Choose a scenario below, and consider the guiding questions as you explore Khan Academy.

Scenarios

A [Fourth-Grade Area and Perimeter](#)

C [Fifth-Grade Fractions](#)

B [Seventh-Grade Equations](#)

D [Create Your Own](#)

Guiding questions

- + What do you notice?
- + What additional instructional uses do you find?
- + What are important considerations when managing student use of this resource?
- + How can families support learning at home?

A Fourth-Grade Area and Perimeter

You're introducing your fourth-graders to solving real-world area and perimeter problems with rectangles. You've already covered calculation of the perimeter and area of rectangles and introduced the relationship between perimeter and area.

However, several of your students still struggle with basic calculation of perimeter and area, based on their performance on classroom assignments and assessments, and you'd like to support them with practice exercises. Your MAP Growth reports indicate that the majority of these students scored in the RIT range 191-200 in the Measurement and Data goal area.

Use the document [MAP Growth Mathematics to Khan Academy for grades 2-5](#) to identify relevant practice exercises.

1. Find the relevant instructional area using the table of contents
2. Scroll to your students' RIT range
3. Look for exercises that include *area* or *perimeter* in the description (tip: use **Ctrl+F**, or **Cmd+F** on a Mac®, to search for particular terms)
4. Which Khan Academy practice exercises could you use to support instruction for these students?

Grade Level	4th grade
RIT Range	191-200
Instructional Area	Measurement and Data

B Seventh-Grade Equations

Your seventh-graders are transitioning from solving one-step equations to two-step equations. Based on student work and your MAP Growth reports analysis, you see a wide range of understanding in your classroom.

You have created three flexible groupings, which are listed in the table below. Identify Khan Academy practice exercises that could support instruction for these three groups.

Grade Level	7th grade
RIT Range	211-240
Instructional Area	Operations and Algebraic Thinking

The relevant standard is “Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.”*

Use the document [MAP Growth Mathematics to Khan Academy for grades 6+](#) to identify relevant practice exercises.

1. Find the relevant instructional area using the table of contents
2. Scroll to your students’ RIT ranges
3. Look for exercises that include terms like equations or word problems in the description (tip: use **Ctrl+F**, or **Cmd+F** on a Mac, to search for particular terms)
4. Record the exercises in the table below

RIT RANGE	211-220	221-230	231-240
Students	Jacob Zach Austin Phoung	Carlos Nyah Miguel Chase	Kareem Swayne Hanna Zoie
Learning statements	Solves one-step linear equations with positive rational numbers	Solves one-step linear equations with negative rational numbers Solves one-step linear equations with positive rational numbers	Solves two-step linear equations with negative rational numbers Solves two-step linear equations with positive rational numbers
Khan Academy practice exercises			

*National Governors Association Center for Best Practices, Council of Chief State School Officers (CCSSO), *Common Core State Standards for Mathematics* (Washington, DC: National Governors Association Center for Best Practices, CCSSO, 2010), <http://www.corestandards.org/Math>.

Fifth-Grade Fractions

For the past several weeks you've worked with your fifth-graders on performing operations with fractions. You would like to organize stations around the classroom to review addition, subtraction, multiplication, and division of fractions.

Use the document [MAP Growth Mathematics to Khan Academy for grades 2-5](#) to identify relevant practice exercises.

1. Find the relevant instructional area using the table of contents
2. Scroll to your students' grade-level standard
3. Look for exercises that include fractions in the description (tip: use **Ctrl+F**, or **Cmd+F** on a Mac, to search for particular terms)
4. Consider:
 - Which Khan Academy practice exercises could you use to organize stations for the classroom?
 - How could you support students who need additional assistance or enrichment?

Grade Level	5th grade
Instructional Area	Number and Operations

Create Your Own

Create a math scenario based on your own class.

Explore the [MAP Growth to Khan Academy](#) page, which provides practice exercises correlated to RIT ranges.

Once you're on the page:

1. Open the PDF file for the grade level with which you are working
2. Find the relevant instructional area using the table of contents
3. Scroll to your students' RIT ranges or grade-level standards
4. Look for exercises to best fit your class's needs (tip: use **Ctrl+F**, or **Cmd+F** on a Mac, to search for particular terms such as *word problems* or *fractions*)



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