Prerequisites Report Overview

Using Data to Address Unfinished Learning

Diagnostic data generates the Prerequisites report, which helps you identify students' prerequisite learning needs and provides guidance on how to best integrate prerequisite instruction into your grade-level scope and sequence for the year.

Use the Prerequisites Report to:	When:
• Understand the level of prerequisite support students need in preparation for upcoming grade-level content. • Access resources to use with groups of students who need additional support or in-depth review of prerequisite skills for the upcoming lessons.	In advance of a unit and/or group of lessons

There is one Prerequisites report for this unit which supports multiple prerequisite skills. The Essential Skill for this unit is:

Lessons	Essential Skill
1–6	Plot points and solve problems in the coordinate plane

How to Use the Prerequisites Report

1 Read the **Unit Overview** that describes the learning within that group of lessons.

2 Review the list of **prerequisite skills**, considering how each one connects to the grade level lessons ahead. If time is limited, give extra focus to the Essential Skill.

3 Watch the **Unit Flow & Progression Video**, making note of how the Essential Skill and other prerequisites connect to the math concepts presented.

4 Look at the data, starting with the row showing class performance on the Essential Skill.

5 Consider placement and performance of all students, noting both strengths to build upon and any other areas of need.

Refer to the **Recommended Guidance and Resources** on i-Ready Classroom Central to support all students in accessing and advancing their understanding of the grade-level content.

Understanding the Resources in the Prerequisites Report

Prerequisites ▾

Subject	Class/Report Group	Grade	Unit
Math	All Math Students	Grade 8	Unit 1 (Lessons 1–6)

Unit Overview — Major Themes of Unit ⓘ

Unit 1: Geometric Figures: Rigid Transformations and Congruence

In this unit, students are introduced to rigid transformations (translations, reflections, and rotations). They apply their understanding of the coordinate plane to perform single transformations and series of transformations in the coordinate plane. They learn that a figure that is the result of rigid transformations is congruent to the original figure, so rigid

Show More

① Unit Flow & Progression Video

② Learning Progression

Whole Class

After familiarizing yourself with the needs of the students based on the data below, you may decide to address these prerequisite skills during whole class instruction.

③ PDF Unit and Lesson Support

④ PDF Yearly Pacing for Prerequisites

Prerequisite Groups

Prerequisites	Unit Group A — 4 Students	Unit Group B — 5 Students	Unit Group C — 6 Students
	Recommendations 📄	Recommendations 📄	**⑤** Recommendations 📄
Essential Skill — Plot points and solve problems in the coordinate plane	✓	Additional Support	In-depth Review
	Madera, Isabella Marcus, Joseph Nguyen, Eric Rodriguez, Jeremy	Foster, Claire López, Madeline Nasuti, Kevin O'Connor, Liam Petrov, Mariana	Chen, Nadia Dorsey, Justin Flores, Shandra Martin, Holly Medeiros, Nick Nelson, Sean

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Recommendations: Unit Group C — i-Ready

Grade	Grade 8
Unit	Unit 1 (Lessons 1–3)

Unit 1: Geometric Figures: Rigid Transformations and Congruence

Group Description

Plot points and solve problems in the coordinate plane — In-depth Review
Essential Skill

Your students' most recent Diagnostic results indicate that those in this group may benefit from review of the prerequisite skills for Lessons 1–3, based on a placement of below Grade 8 in the GEO domain.

In-depth review may be required to fill more significant gaps that likely existed on the testing date, as indicated in the chart.

(a) Overview

Lesson 1: Understand Rigid Transformations and Their Properties
This lesson contains new content that does not rely on prerequisite knowledge.

Lesson 2: Work with Single Rigid Transformations in the Coordinate Plane
Lesson 3: Work with Sequences of Transformations and Congruence
• Plot points and solve problems in the coordinate plane — In-depth Review
Essential Skill

Recommendations: Unit Group C — i-Ready

Grade	Grade 8
Unit	Unit 1 (Lessons 1–3)

(b)

Unit 1: Geometric Figures: Rigid Transformations and Congruence

Group Description

Plot points and solve problems in the coordinate plane — In-depth Review
Essential Skill

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Overview

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Lesson 3: Work with Sequences of Transformations and Congruence
• Plot points and solve problems in the coordinate plane — In-depth Review
Essential Skill

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① The **Unit Flow and Progression Video** provides background about the content covered in the unit and shows the flow of ideas that students will learn and build upon.

② The **Learning Progression** illustrates the instructional path of skills across grades. It ties previous content to the lessons students are about to encounter.

③ The **Unit and Lesson Support** provides access to on-the-spot teaching tips. If your students require additional support with unfinished learning, you can use these tips while you teach grade-level lessons.

◆ **ON-THE-SPOT TEACHING TIPS FOR GRADE 8**

• **Use simpler figures.** Students may struggle to see that a figure and its image produced by a rigid transformation in the coordinate plane are congruent. Encourage students to perform a rigid transformation on a vertical or horizontal line segment in the coordinate plane. Students can prove that the original segment and its image are congruent by finding their lengths. They can extend this reasoning to shapes formed by a series of connected line segments.

④ The **Yearly Pacing for Prerequisites** guidance helps you to identify when it is best to incorporate prerequisite lessons and where to consolidate other grade-level lessons. If most students in your class require in-depth review, you can use the pacing guidance in conjunction with the **Unit and Lesson Support**.

⑤ Each prerequisite group has a set of **Recommendations**. If a small number of students need in-depth review, you can use the recommendations to address students' learning needs during small-group instruction. The recommendations include:

(a) An overview of the skills that are directly tied to each lesson.

(b) A list of print and digital resources, including Tools for Instruction, Center Activities, Fluency and Skills Practice, and Learning Games, that can help address prerequisite skills.

Go to ◼ **i-Ready Classroom** *Central* **to learn more about the Prerequisites report.**