

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:
<ul style="list-style-type: none"> 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 Find equivalent ratios

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.

The screenshot shows the Prerequisites report interface. At the top, there are filters for Subject (Math), Class/Report Group (All Math Students), Grade (Grade 7), and Unit (Unit 1 (Lessons 1–6)).

1 Unit Overview (Major Themes of Unit): Unit 1: Proportional Relationships: Ratios, Rates, and Circles. Description: In this unit, students build on the idea of equivalent ratios to understand and calculate scale factors and make scale drawings. They use prior knowledge of unit rates and division with fractions to understand, interpret, and represent proportional relationships in tables and graphs. They go on to solve ratio problems. Finally, students derive formulas for [Show More](#).

3 Unit Flow & Progression Video and [Learning Progression](#) are also visible.

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. [Unit and Lesson Support](#) and [Yearly Pacing for Prerequisites](#) are available as PDFs.

Prerequisite Groups	Unit Group A 4 Students	Unit Group B 5 Students	Unit Group C 6 Students	Unit Group D 4 Students
2 Essential Skill Find equivalent ratios.	✓	✓	Additional Support	In-depth Review
Use unit rates associated with ratios.	✓	✓	Additional Support	In-depth Review
Divide with fractions.	✓	Additional Support	In-depth Review	In-depth Review
Identify relationships between corresponding terms.	✓	✓	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	Charnas, Brendan Jones, Aisha Kovac, Valarie Williams, Gerald

4 and **5** are also indicated on the screenshot.

Understanding the Resources in the Prerequisites Report

Prerequisites

Subject: Math | Class/Report Group: All Math Students | Grade: Grade 7 | Unit: Unit 1 (Lessons 1–6)

Unit Overview Major Themes of Unit

Unit 1: Proportional Relationships: Ratios, Rates, and Circles
 In this unit, students build on the idea of equivalent ratios to understand and calculate scale factors and make scale drawings. They use prior knowledge of unit rates and division with fractions to understand, interpret, and represent proportional relationships in tables and graphs. They go on to solve ratio problems. Finally, students derive formulas for

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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 7

- **Connect scale and scale factor to ratio and unit rate.** Emphasize that a scale is ratio and a scale factor is a unit rate. For example, if 1 centimeter on a city map represents 10 miles, then the ratio 1 cm : 10 mi is the scale, and the unit rate $1 \div 10$, or 0.1, is a scale factor that tells how many centimeters on the map correspond to 1 mile in the city. Explain to students that the same models and strategies they used to solve ratio problems in Grade 6 can be used to solve problems involving scale.

- 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.

Recommendations: Unit Group C

Grade: Grade 7 | Unit: Unit 1 (Lessons 1–6)

Unit 1: Proportional Relationships: Ratios, Rates, and Circles

Group Description	Recommendation
Find equivalent ratios <i>Essential Skill</i>	Additional Support
Use unit rates associated with ratios	Additional Support
Divide with fractions	In-depth Review
Identify relationships between corresponding terms	Additional Support

Overview

Lesson 1: Solve Problems Involving Scale

- Find equivalent ratios – Additional Support
- Essential Skill*
- Use unit rates associated with ratios – Additional Support

Lesson 2: Find Unit Rates Involving Ratios of Fractions

Lesson 3: Understand Proportional Relationships

- Divide with fractions – In-depth Review

Lesson 4: Represent Proportional Relationships

Lesson 5: Solve Proportional Relationship Problems

Lesson 6: Solve Area and Circumference Problems Involving Circles

- Identify relationships between corresponding terms – Additional Support

Recommendations: Unit Group C

Grade: Grade 7 | Unit: Unit 1 (Lessons 1–6)

Recommended Resources

All recommended resources can be found in the Ready Classroom Math Teacher Toolbox. In the top navigation, first select Assess & Teach and then Ready Classroom Math Teacher Toolbox to find the resources listed below.

Lesson 1: Solve Problems Involving Scale

Find equivalent ratios – Additional Support
Essential Skill

Skill: Understand Ratio Concepts (Grade 6)

- Teacher-led Small Groups**
 - Tools for Instruction: Understand Ratios
- Student-led Small Groups**
 - Center Activity: Describe Ratios
- Independent Reinforcement**
 - Instruction and Practice: Fluency and Skills Practice

Skill: Find Equivalent Ratios (Grade 6)
Essential Skill

- Teacher-led Small Groups**
 - Tools for Instruction: Find Equivalent Ratios
- Student-led Small Groups**
 - Center Activity: Find Equivalent Ratios
- Independent Reinforcement**
 - Instruction and Practice: Fluency and Skills Practice

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