

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

| | |
|-----|--|
| 1-5 | Multiply one-digit numbers by up to four-digit numbers |
|-----|--|

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, filters are set for Subject: Math, Class/Report Group: All Math Students, Grade: Grade 5, and Unit: Unit 1 (Lessons 1-5). The interface is divided into several sections:

- Unit Overview:** Describes the unit's major themes (Volume, Multiplication, and Division) and provides a brief overview of the lessons.
- Whole Class:** Offers PDF resources for Unit and Lesson Support and Yearly Pacing for Prerequisites.
- Prerequisite Groups:** Lists four groups: Unit Group A (4 Students), Unit Group B (5 Students), Unit Group C (6 Students), and Unit Group D (4 Students).
- Prerequisite Skills Table:** A table showing performance for four prerequisite skills across the four groups. The Essential Skill (Multiply one-digit numbers by up to four-digit numbers) is highlighted in red for all groups, indicating a need for in-depth review.
- Student List:** A list of individual students grouped by their prerequisite group.

| Prerequisite Skills | Unit Group A (4 Students) | Unit Group B (5 Students) | Unit Group C (6 Students) | Unit Group D (4 Students) |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| Apply the associative and commutative properties of multiplication | ✓ | ✓ | ✓ | In-depth Review |
| Use a formula to find area | ✓ | Additional Support | In-depth Review | In-depth Review |
| Essential Skill Multiply one-digit numbers by up to four-digit numbers | ✓ | Additional Support | In-depth Review | In-depth Review |
| Divide three-digit numbers by one-digit numbers | ✓ | Additional Support | In-depth Review | In-depth Review |

Understanding the Resources in the Prerequisites Report

Prerequisites

Subject: Math | Class/Report Group: All Math Students | Grade: Grade 5 | Unit: Unit 1 (Lessons 1–5)

Unit Overview Major Themes of Unit

Unit 1: Whole Number Operations and Applications: Volume, Multiplication, and Division
 In Lessons 1–5 of this unit, students build on their understanding of area as they learn about volume and how to measure the amount of space inside a rectangular prism. They learn to multiply multi-digit numbers using the standard algorithm, and they use various strategies to divide numbers with up to four digits by divisors with up to two digits.

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.

Prerequisite Groups

| Prerequisites | Unit Group A 4 Students | Unit Group B 5 Students | Unit Group C 6 Students | Unit Group D 4 Students |
|--|---|---|---|--|
| Apply the associative and commutative properties of multiplication | ✓ | ✓ | ✓ | In-depth Review |
| Use a formula to find area | ✓ | Additional Support | In-depth Review | In-depth Review |
| Essential Skill Multiply one-digit numbers by up to four-digit numbers | ✓ | Additional Support | In-depth Review | In-depth Review |
| Divide three-digit numbers by one-digit numbers | ✓ | Additional Support | In-depth Review | 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 |

- 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 5

- **Review multiplying and dividing with tens.** Use patterns to support students with multiplying and dividing with multiples of 10 using mental math. For example, $8 \times 4 = 32$, $80 \times 4 = 320$, and $800 \times 4 = 3,200$; $54 \div 9 = 6$, $540 \div 9 = 60$, and $5,400 \div 9 = 600$.

- 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 5 | Unit: Unit 1 (Lessons 1–5)

Unit 1: Whole Number Operations and Applications: Volume, Multiplication, and Division

Group Description

| Prerequisite Skill | Recommendation |
|--|-----------------|
| Apply the associative and commutative properties of multiplication | ✓ |
| Use a formula to find area | In-depth Review |
| Multiply one-digit numbers by up to four-digit numbers | In-depth Review |
| Essential Skill Multiply one-digit numbers by up to four-digit numbers | In-depth Review |
| Divide three-digit numbers by one-digit numbers | In-depth Review |

Your students' most recent diagnostic results indicate that those in this group may benefit from review of some of the prerequisite skills for Lessons 1–5, based on a placement of Grade 3 in the NO domain and/or Grade 4 in the MS domain. In-depth review may be required to fill the significant gaps that likely existed on the testing date, as indicated in the chart.

Overview

Lesson 1: Understand Volume
Lesson 2: Find Volume Using Unit Cubes
Lesson 3: Find Volume Using Formulas

- Apply the associative and commutative properties of multiplication – ✓
- Use a formula to find area – In-depth Review

Lesson 4: Multiply Multi-Digit Numbers

- Multiply one-digit numbers by up to four-digit numbers – In-depth Review

Essential Skill

Lesson 5: Divide Multi-Digit Numbers

- Divide three-digit numbers by one-digit numbers – In-depth Review

Recommendations: Unit Group C

Grade: Grade 5 | Unit: Unit 1 (Lessons 1–5)

Skill: Multiply to Find Area (Grade 3)

Teacher-led Small Groups

- Tools for Instruction: Multiply to Find Area

See Grade 3 Lesson 15 for Ready Classroom Math Teacher Toolbox resources

Skill: Find Perimeter and Area (Grade 4)

Teacher-led Small Groups

- Instruction and Practice: Find Perimeter and Area (select from all resources)

See Grade 4 Lesson 16 for Ready Classroom Math Teacher Toolbox resources

Lesson 4: Multiply Multi-Digit Numbers

Multiply one-digit numbers by up to four-digit numbers – In-depth Review

Essential Skill

Skill: Use Place Value to Multiply (Grade 3)

Teacher-led Small Groups

- Tools for Instruction: Use Place Value to Multiply

See Grade 3 Lesson 9 for Ready Classroom Math Teacher Toolbox resources

Independent Reinforcement

- Learning Games: Cupcake
- Learning Games: Pizza

Skill: Multiplication and Division Facts (Grade 3)

Teacher-led Small Groups

- Tools for Instruction: Write Multiplication and Division Facts

See Grade 3 Lesson 12 for Ready Classroom Math Teacher Toolbox resources

Independent Reinforcement

- Learning Games: Match
- Learning Games: Pizza

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