

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	Write and interpret numeric expressions
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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 for Subject (Math), Class/Report Group (All Math Students), Grade (Grade 6), and Unit (Unit 1 (Lessons 1–6)) are visible. The main content area includes:

- 1 Unit Overview:** A section titled 'Major Themes of Unit' with a sub-section for 'Unit 1: Expressions and Equations: Area, Algebraic Expressions, and Exponents'. It includes a 'Show More' link.
- 3 Unit Flow & Progression Video:** A video icon with a play button.
- Learning Progression:** A diagram icon showing a flow of lessons.
- Whole Class:** A section with a PDF icon and text: '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:** A PDF icon.
- Yearly Pacing for Prerequisites:** A PDF icon.
- Prerequisite Groups:** A table with columns for Unit Group A (4 Students), Unit Group B (5 Students), Unit Group C (6 Students), and Unit Group D (4 Students). Each column has a 'Recommendations' link.
- 2 Prerequisite Skills Table:** A table with rows for prerequisite skills and columns for the four groups. The 'Essential Skill' row is highlighted.

Prerequisite Skills	Unit Group A (4 Students)	Unit Group B (5 Students)	Unit Group C (6 Students)	Unit Group D (4 Students)
Find the areas of rectangles with fractional and decimal side lengths	✓	Additional Support	In-depth Review	In-depth Review
Essential Skill Write and interpret numeric expressions	✓	Additional Support	In-depth Review	In-depth Review
Understand positive powers of 10	✓	✓	Additional Support	In-depth Review
Identify factors and multiples of whole numbers	✓	✓	Additional Support	In-depth Review
- 5 Student List:** A table listing individual students under each group.

Unit Group A	Unit Group B	Unit Group C	Unit Group D
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

Understanding the Resources in the Prerequisites Report

Prerequisites

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

Unit Overview Major Themes of Unit

Unit 1: Expressions and Equations: Area, Algebraic Expressions, and Exponents
 In this unit, students use what they know about finding the area of rectangles to find the area of parallelograms, triangles, and other shapes, and they compute surface area using nets of three-dimensional figures. They build on their understanding of evaluating expressions and using order of operations, working specifically with expressions involving

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	Unit Group A 4 Students	Unit Group B 5 Students	Unit Group C 6 Students	Unit Group D 4 Students
Find the areas of rectangles with fractional and decimal side lengths	✓	Additional Support	In-depth Review	In-depth Review
Essential Skill Write and interpret numeric expressions	✓	Additional Support	In-depth Review	In-depth Review
Understand positive powers of 10	✓	✓	Additional Support	In-depth Review
Identify factors and multiples of whole numbers	✓	✓	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

- 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 6

- **Connect numerical and algebraic expressions.**
 As needed, provide additional work with writing numerical expressions from verbal expressions (reviewed in Grade 6, Lesson 0). This will support students with writing algebraic expressions with variables. For example, have students write the numerical expression $5 + 3 \cdot 7$ to model 5 more than the product of 3 and 7. Then relate the process to writing the algebraic expression $5 + 3n$ to model 5 more than the product of 3 and a number.

- 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.

Recommendations: Unit Group C

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

Unit 1: Expressions and Equations: Area, Algebraic Expressions, and Exponents

Group Description	Recommendation
Find the areas of rectangles with fractional and decimal side lengths	In-depth Review
Write and interpret numeric expressions	In-depth Review
Understand positive powers of 10	Additional Support
Identify factors and multiples of whole numbers	Additional Support

Overview

- Lesson 1: Find the Area of a Parallelogram
- Lesson 2: Find the Area of Triangles and Other Polygons
- Lesson 3: Use Nets to Find Surface Area
 - Find the areas of rectangles with fractional and decimal side lengths – In-depth Review
- Lesson 4: Work with Algebraic Expressions
 - Write and interpret numeric expressions – In-depth Review
- Lesson 5: Write and Evaluate Expressions with Exponents
 - Understand positive powers of 10 – Additional Support
- Lesson 6: Find Greatest Common Factor and Least Common Multiple
 - Identify factors and multiples of whole numbers – Additional Support

Recommendations: Unit Group C

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

Lesson 4: Work with Algebraic Expressions

Write and interpret numeric expressions – In-depth Review
Essential Skill

Skill: Evaluate, Write, and Interpret Expressions (Grade 5)
Essential Skill

Teacher-led Small Groups
 • Instruction and Practice: Evaluate, Write, and Interpret Expressions (select from all resources)

Skill: Analyze Patterns and Relationships (Grade 5)

Teacher-led Small Groups
 • Instruction and Practice: Analyze Patterns and Relationships (select from all resources)

Student-led Small Groups
 • Center Activity: Patterns of Zeros
 • Center Activity: Powers of 10 Vocabulary Match

Independent Reinforcement
 • Instruction and Practice: Fluency and Skills Practice

Lesson 5: Write and Evaluate Expressions with Exponents

Understand positive powers of 10 – Additional Support
Skill: Understand Powers of 10 (Grade 5)

Teacher-led Small Groups
 • Tools for Instruction: Powers of 10

Student-led Small Groups
 • See Grade 5 Lesson 33 for Ready Classroom Math Teacher Toolbox resources