



REFERENCE SHEET

Prerequisites (Class)*

The Prerequisites (Class) report is based on students' results on the Diagnostic and helps you use that data to make instructional decisions about upcoming grade-level mathematics content.

Use For:

- Understanding students' learning needs in relation to upcoming grade-level mathematics content
- Informing unit/lesson planning by identifying essential prerequisite skills, potential student groupings, supports for whole class instruction, and recommended resources to be used during classroom instruction

When:

In advance of a mathematics topic covered in grade-level instruction

1 Navigation: Use the Topic dropdown to select the mathematics topic coming up next in your grade-level instruction. Use the other dropdowns to navigate to a different Class/Report Group or Grade.

2 Learning Progression: Illustrates the path of mathematical skills acquisition across the grades, going back two or three years. It ties previous concepts directly to the new topics they support.

3 Whole Class: When most students have similar learning needs, the Whole Class Topic Support can be used to adjust lesson plans and address prerequisites during whole class instruction. This guidance includes teaching prerequisite lessons and using on-the-spot prerequisite support during grade-level instruction.

4 Prerequisite Skills Overview: Lists prerequisite skills that link to the content in this topic. Students are separated into three or four groups based on their results from the most recent Diagnostic. Individual student names are listed at the bottom of each group. Within each group, the data indicates which students have likely acquired each skill (✓), may need to brush up on a skill (Additional Support), or may benefit from more significant work on a skill (In-Depth Review).

5 Essential Skill: Indicates that this prerequisite skill is a key skill students will build upon in this topic. If students need support with numerous prerequisite skills, teachers may wish to focus their efforts on this skill to optimize instructional time and stay on track with suggested pacing guidelines.

Prerequisites

1. Class/Report Group: Grade 4, Section 2; Grade: Grade 4; Topic: Number and Operations in Base Ten

Overview

Topic: Number and Operations in Base Ten
Students build on their understanding of place value, rounding, and addition and subtraction of three-digit numbers. They explore place value to the hundred-thousands place, rounding, comparing, adding, and subtracting multi-digit numbers.

2. Learning Progression

3. 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.

4. Prerequisite Groups

Prerequisites	Topic Group A 4 Students	Topic Group B 5 Students	Topic Group C 6 Students	Topic Group D 4 Students
Understand hundreds, tens, and ones	Recommendations	Recommendations	Recommendations	Recommendations
Essential Skill Add and subtract within 1,000	✓	Additional Support	In-Depth Review	In-Depth Review
Round to the nearest ten or hundred	✓	Additional Support	In-Depth Review	In-Depth Review
	Madera, Isabella Marcus, Joseph Nguyen, Eric Rodriguez	Foster, Claire López, Madeline Nasuti, Kevin	Chen, Nadia Dorsey, Justin Flores, Shandra	Charnas, Brendan Drew, William Kovac, Valerie Williams, Gerald

5. Essential Skill

TOPIC SUPPORT

Overview

As you begin the year, some students in your class may have unfinished learning from the previous grade. Research shows that the most effective and equitable way to address unfinished learning is to selectively and strategically reinforce prerequisite concepts. The focus of instructional time should remain on grade-level content. Topic Support describes the critical aspects of each prerequisite skill and provides tips for supporting students as they engage with grade-level content. To learn more about how to use these documents, read below or go to i-ReadyCentral.com for more information.

How to Use Topic Support.

Use the Prerequisites report to identify which students need in-depth review or additional support.

- If most students have **likely acquired** the prerequisite skills: Teach the topic as you normally would, using the guidance in the **Teacher Resource Book** for support and recommendations.
- If small groups of students need **in-depth review or additional support**: Use the **Recommended Resources** provided to address students' learning needs during small group instruction.
- If most of the class needs **additional support**: Use the **Topic Support** to access on-the-spot teaching tips to support students with unfinished learning while teaching on-grade-level lessons.
- If most of the class needs **in-depth review**: Review the **Topic Support** to learn what's important about the prerequisite skills in relation to grade-level instruction.
 - Review the pacing for your program to determine when to teach lessons from the prior grade that cover prerequisite skills and how to consolidate pacing elsewhere to keep on track.
 - Use what you know about your students to determine which recommended prerequisite skills to teach.
 - Use the on-the-spot teaching tips, as needed, when teaching grade-level lessons.

*This reference sheet applies to users who are licensed for the *i-Ready Diagnostic* but do not have Teacher Toolbox for *Ready® Mathematics* or *i-Ready Classroom Mathematics*.

Prerequisites (Class), Cont'd.

6 Recommendations: Use these resources if small groups of students need In-depth Review or Additional Support to address unfinished learning during small group instruction. This page includes the following sections:

a Overview: Indicates which prerequisite skills are directly connected for each of the upcoming topics

b Recommended Resources: Lists various resources, found in Tools for Instruction and Learning Games, that address prerequisite skills

Prerequisites

Subject

Math

Class/Report Group

Grade 4, Section 2

Grade

Grade 4

Topic

Number and Operati...

Overview

Topic: Number and Operations in Base Ten

Students build on their understanding of place value, rounding, and addition and subtraction of three-digit numbers. They explore place value to the hundred-thousands place, rounding, comparing, adding, and subtracting multi-digit numbers.

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.

Topic Support

Prerequisite Groups	Topic Group A 4 Students	Topic Group B 5 Students	6 Topic Group C 6 Students	Topic Group D 4 Students
Prerequisites	Recommendations	Recommendations	Recommendations	Recommendations
Understand hundreds, tens, and ones	✓	✓	✓	Additional Support
Essential Skill Add and subtract within 1,000	✓	Additional Support	In-Depth Review	In-Depth Review
Round to the nearest ten or hundred	✓	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 Jones, Aisha Medeiros, Nick Nelson, Sean	Charnas, Brendan Drew, William Kovac, Valarie Williams, Gerald

Recommendations: Group C

Grade Grade 4

Place Value, Addition, and Subtraction

Group Description	
Understand hundreds, tens, and ones	✓
Add and subtract within 1,000 Essential Skill	In-Depth Review
Round to the nearest ten or hundred	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 multi-digit place-value work including addition and subtraction, based on a placement of Grade 3 in the NO domain and/or Grade 2 in the ALG domain.

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

Overview

Understand Place Value

Compare Whole Numbers

- Understand hundreds, tens, and ones – ✓

Add and Subtract Whole Numbers

- Add and subtract within 1,000 – In-Depth Review
Essential Skill

Round Whole Numbers

- Round to the nearest ten or hundred – In-Depth Review

Recommendations: Group C

Grade Grade 4

Add and Subtract Whole Numbers

Add and subtract within 1,000 – In-Depth Review

Essential Skill

Skill: Add Three-Digit Numbers (Grade 2)

Teacher-Led Small Groups

- Tools for Instruction: Add Three-Digit Numbers

Independent Reinforcement

- Learning Games: Hungry Fish
- Learning Games: Match

Skill: Subtract Three-Digit Numbers (Grade 2)

Teacher-Led Small Groups

- Tools for Instruction: Subtract Three-Digit Numbers

Independent Reinforcement

- Learning Games: Hungry Fish
- Learning Games: Match

Skill: Use Place Value to Add and Subtract (Grade 3)

Essential Skill

Teacher-Led Small Groups

- Tools for Instruction: Three-Digit Addition
- Tools for Instruction: Three-Digit Subtraction

Independent Reinforcement

- Learning Games: Hungry Fish
- Learning Games: Cupcake
- Learning Games: Pizza