



Intervention Planning Support: Instructional Groupings Report Resources for Mathematics—Grade 8

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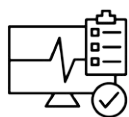
Guidance Overview

The *i-Ready* Instructional Groupings report groups students with similar instructional priorities, provides recommendations for teacher-led instruction, and identifies resources to support differentiated instruction by domain. This document is designed to support educators with matching related *i-Ready Personalized Instruction* lessons to the Tools for Instruction (TFIs) resources identified in the Instructional Groupings report to support intervention and monitor student progress for Grade 8.

For specific implementation guidance and additional grade levels, see [Intervention Planning Support: Instructional Groupings Report Resources for Mathematics](#).

Using Instructional Groupings Report and *i-Ready* Resources to Support Intervention

1



Administer
i-Ready Inform

2



Review **Groupings** in
the Instructional
Groupings report

3



Select **Tools for
Instruction** for small
group instruction

4



Assign related
**Personalized
Instruction** lesson

5



Monitor data to
respond or adjust

IMPORTANT CONSIDERATIONS



- **Targeted support with off-grade skills should not supersede or replace grade-level core instruction** and should be layered on in small group instruction as needed to complement and accelerate students' access to grade-level content.
- **It is not intended for educators to use all resources identified in this document** and/or for all students. Rather, educators are encouraged to view this document as a menu of options to choose from strategically based on students' needs.

Instructional Groupings Resources: Number and Operations Domain



Educators may reference the [Instructional Groupings Report for Mathematics](#) to select [Tools for Instruction](#) lesson(s) to provide explicit, targeted, or supplemental instruction at the students' placement level in small groups. Educators may then use the tables below to find Personalized Instruction lessons that can be teacher assigned to provide opportunities to practice or monitor student progress with the skill taught in the matched TFI.

***Note:** The Personalized Instruction lessons listed in the tables below are known as *i-Ready* Classic K–5 Lessons. For instructions on assigning Personalized Instruction, reference [How do I add Teacher-Assigned Lessons?](#) and follow the directions provided for assigning lessons for Grades K–5.

Domain: Number and Operations					
Report Grouping		Tools for Instruction <i>Provide explicit, teacher-led Instruction</i>		Personalized Instruction <i>Assign opportunities to practice or monitor student progress</i>	
1	2	Lesson Title	Level	Lesson Title	Level
✓		Find the Least Common Multiple	6	Least Common Multiple	Mid 6
✓		Find the Greatest Common Factor	6	Greatest Common Factors (GCF)	Mid 6
✓		Divide Multi-Digit Whole Numbers	5, 6	Divide Whole Numbers, Part 1	Mid 4
				Divide Whole Numbers, Part 2	Mid 4
				Divide by Two-Digit Numbers, Part 1	Early 5
				Divide by Two-Digit Numbers, Part 2	Early 5
✓		Divide Fractions	6	Divide Fractions: Whole-Number Quotients	Mid 6
				Divide Fractions: Fractional Quotients	Mid 6
				Divide Fractions: Use an Algorithm	Mid 6
✓		Understand Ratios	6	Understand Ratio Concepts	Mid 6
✓		Relate Fractions and Percents	6	Understand Percent Concepts	Mid 6
✓		Write Decimals and Percents	6	Understand Ratio Concepts	Mid 6
✓		Compare Positive and Negative Rational Numbers	6	Understand Integers	Late 6
✓		Understand and Apply Absolute Value	6	Understand Absolute Value	Late 6
✓		Points in a Coordinate Plane	6	Understand the Coordinate Plane	Late 5
✓		Multiply Multi-Digit Decimals	6	Multiply a Decimal by a Whole Number	Mid 5
				Multiply a Decimal by a Decimal	Mid 5
✓		Understand Division with Fractions	6	Divide Fractions: Whole-Number Quotients	Mid 6
				Divide Fractions: Fractional Quotients	Mid 6
				Divide Fractions: Use an Algorithm	Mid 6
✓		Find Equivalent Ratios	6	Equivalent Ratios	Mid 6
✓		Use Part-to-Part and Part-to-Whole Ratios	6	Understand Ratio Concepts	Mid 6
✓		Understand Positive and Negative Numbers	6	Understand Integers	Late 6
	✓	Add Positive and Negative Integers	6, 7	Understand Addition with Integers	Mid 7
	✓	Subtract Positive and Negative Integers	6, 7	Understand Subtraction with Integers	Mid 7
	✓	Multiply Positive and Negative Integers	6, 7	Multiply Integers	Mid 7
	✓	Divide Positive and Negative Integers	6, 7	Divide Integers	Mid 7
	✓	Add Positive and Negative Numbers	7	Understand Addition with Integers	Mid 7
	✓	Add and Subtract Positive and Negative Numbers	7	Understand Addition with Integers	Mid 7
				Understand Subtraction with Integers	Mid 7
				Strategies to Add and Subtract Integers	Mid 7
	✓	Solve Problems with Rational Numbers	7, 8	Solve Problems with Rational Numbers	Mid 7



Domain: Number and Operations					
Report Grouping		Tools for Instruction <i>Provide explicit, teacher-led Instruction</i>		Personalized Instruction <i>Assign opportunities to practice or monitor student progress</i>	
1	2	Lesson Title	Level	Lesson Title	Level
	✓	Exponent Properties	7, 8	Properties of Positive Integer Exponents, Part 1	Mid 8
				Properties of Positive Integer Exponents, Part 2	Mid 8
	✓	Negative Exponents	8	Properties of Zero and Negative Exponents	Mid 8
	✓	Evaluate Expressions with Integer Exponents	8	Properties of Positive Integer Exponents, Part 1	Mid 8
				Properties of Positive Integer Exponents, Part 2	Mid 8

Instructional Groupings Resources: Algebra and Algebraic Thinking Domain



***Note:** The Personalized Instruction lessons listed in the tables below are known as *i-Ready* Classic K–5 Lessons. For instructions on assigning Personalized Instruction, reference [How do I add Teacher-Assigned Lessons?](#) and follow the directions provided for assigning lessons for Grades K–5.

Domain: Algebra and Algebraic Thinking					
Report Grouping		Tools for Instruction <i>Provide explicit, teacher-led instruction</i>		Personalized Instruction <i>Assign opportunities to practice or monitor student progress</i>	
1	2	Lesson Title	Level	Lesson Title	Level
✓		Finding Percents	6	Find Percent of a Number	Mid 6
✓		Find the Whole from a Part and a Percent	6	Solve Problems with Percent	Mid 6
✓		Visualize Rate	6	–	–
✓		Use Ratio Tables to Solve Problems	6	Equivalent Ratio Tables	Mid 6
✓		Powers of Ten	6	Understand Powers of 10	Early 5
				Practice: Decimals and Powers of 10	Early 5
				Practice: Whole Numbers and Powers of Ten	Extra 5
✓		Use Order of Operations	6	Evaluate, Write, and Interpret Expressions	Late 5
✓		Use Mathematical Vocabulary	6	–	–
✓		Evaluate Variable Expressions	6	Write and Evaluate Algebraic Expressions	Early 6
				Algebraic Expressions with Exponents	Early 6
✓		Write Equivalent Expressions	6	Evaluate, Write, and Interpret Expressions	Late 5
✓		Test Solutions of Equations	6	Solutions of Equations	Mid 6
✓		Solve Inequalities	6	Write and Solve Inequalities	Late 6
✓		Write Inequalities	6	Write and Solve Inequalities	Late 6
✓		Represent Inequalities on Number Lines	6	–	–
✓		Solve Equations	6	Solutions of Equations	Mid 6
				Write and Solve Addition Equations	Mid 6
				Write and Solve Multiplication Equations	Mid 6
✓		Relate Independent and Dependent Variables	6	–	–
✓		Evaluate Expressions Containing Exponents	6	Numerical Expressions with Exponents	Early 6
				Algebraic Expressions with Exponents	Early 6
✓		Use the Order of Operations to Write and Evaluate Expressions with Exponents	6	Evaluate, Write, and Interpret Expressions	Late 5
	✓	Fractions, Division, and Unit Rate	7	Unit Rates for Ratios with Fractions, Part 1	Early 7
				Unit Rates for Ratios with Fractions, Part 2	Early 7
	✓	Identify Proportional Relationships	7	Understand Proportional Relationships	Early 7
✓		Multi-Step Percent Problems	7	Solve Problems with Percent	Mid 6
				Solve Percent Problems, Part 1	Mid 7
				Solve Percent Problems, Part 2	Mid 7
				Solve Percent Problems, Part 3	Mid 7
✓		Write Equivalent Linear Expressions	7	Equivalent Linear Expressions	Mid 7
				Reasons for Equivalent Linear Expressions	Mid 7
✓		Analyze Relationships in Equivalent Expressions	7	Equivalent Expressions and the Distributive Property	Mid 6
				Equivalent Expressions and Properties of Addition	Mid 6
✓		Solve Multi-Step Problems	7	Solve Multi-Step Equations, Part 1	Mid 7
				Solve Multi-Step Equations, Part 2	Mid 7
✓		Write Equations to Solve Problems	7	Write and Solve Equations	Mid 6



Domain: Algebra and Algebraic Thinking					
Report Grouping		Tools for Instruction <i>Provide explicit, teacher-led Instruction</i>		Personalized Instruction <i>Assign opportunities to practice or monitor student progress</i>	
1	2	Lesson Title	Level	Lesson Title	Level
	✓	Model Proportional Relationships	7	Understand Proportional Relationships	Early 7
				Write Equations for Proportional Relationships	Early 7
	✓	Compare Proportional Relationships	8	Understand Proportional Relationships	Early 7
	✓	Solve Multi-Step Ratio Problems	7	Solve Problems with Ratios and Unit Rates	Mid 6
	✓	Find Percent Change	7	Percent Change	Mid 7
	✓	Model and Solve One-Variable Equations	7	-	-
	✓	The Equation of a Line	8	Derive Linear Equations	Early 8
	✓	Slope and Unit Rate	7, 8	Proportional Relationships and Slope	Early 8