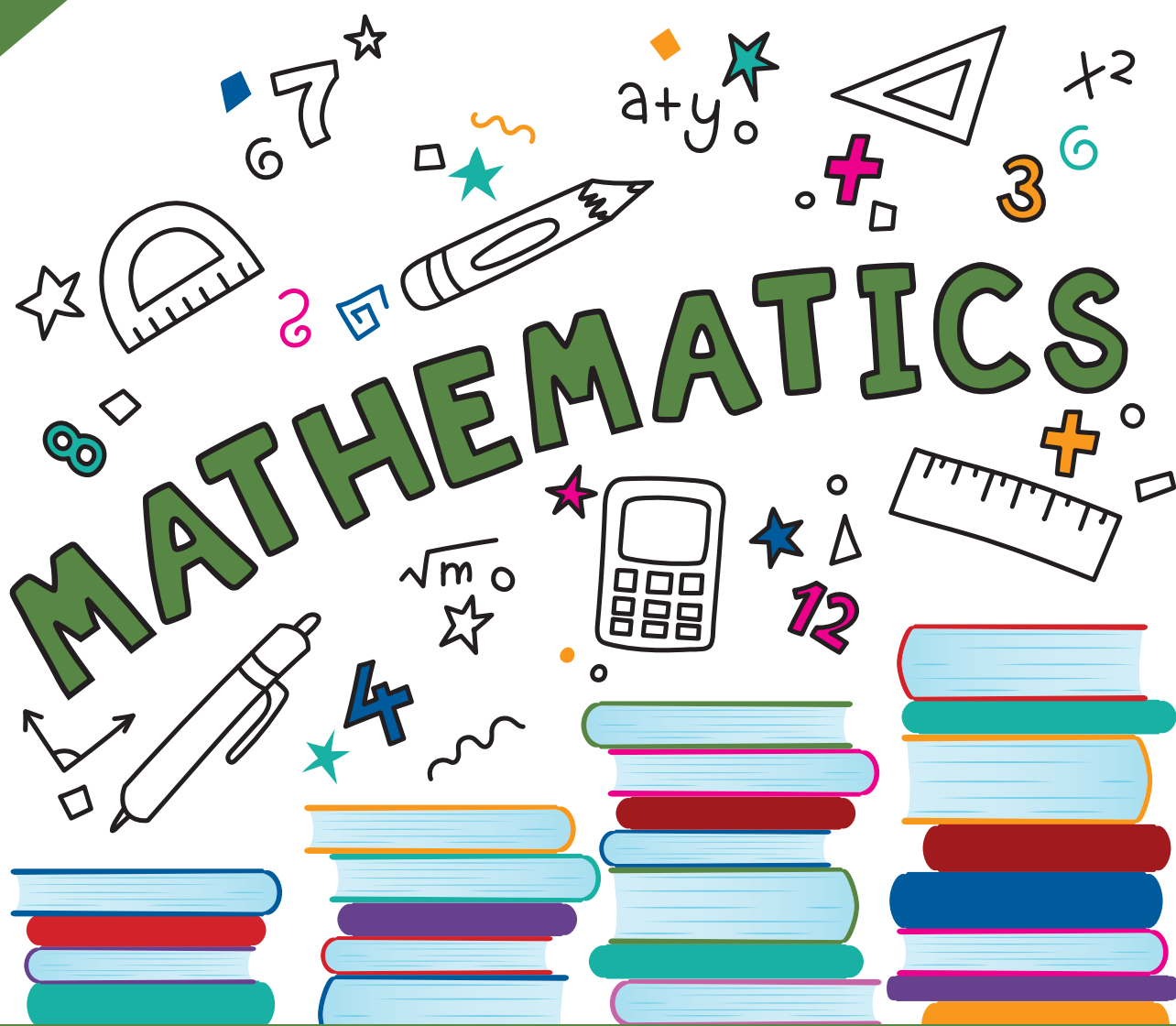




Grade 5

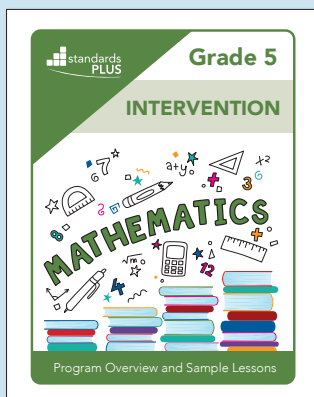
INTERVENTION



Program Overview and Sample Lessons

Teachers are the most important factor in student learning.

That's why every Standards Plus Lesson is directly taught by a teacher.



Standards Plus Intervention is Ideal for:

- Small group instruction
- After school programs
- Special Education settings to meet IEP goals
- Summer school programs

Standards Plus Intervention is Easy to Use:

1. Use your data or the included pre-assessments to identify students and intervention topics.
2. Find targeted lessons by topic in the lesson index.
3. Teach scaffolded direct instruction lessons to support student mastery of grade level standards.
4. Provide immediate feedback during each lesson, so errors don't become habits.
5. Measure student progress with post-assessments and performance tasks.

How Standards Plus Increases Student Achievement



TEACHERS are the most important factor in student learning.



DIRECT INSTRUCTION lessons are proven to foster the most significant gains in student achievement.



DISCRETE LEARNING TARGETS provide easily understood instruction that allow students to retain information.



MULTIPLE EXPOSURES TO EACH STANDARD/SKILL

Skills are presented in four to eight lessons, providing students multiple opportunities to practice and retain information.



IMMEDIATE FEEDBACK after every lesson provides the most powerful single modification that enhances student achievement.



FORMATIVE ASSESSMENTS are proven to be highly effective in providing information that leads to increased student achievement.



BUILT ON RESEARCH

All Standards Plus lessons are designed according to proven educational research.

Standards Plus Intervention Includes:

Pre-Assessments

Administer pre-assessments to identify students and intervention topics if you don't have existing performance data.



Tier 2 & Tier 3 Intervention Lessons

100+ Lessons (DOK 1-2)

Students learn the prerequisite skills necessary for the mastery of grade-level standards.



Performance Tasks

8+ Tasks (DOK 3)

Formative assessments that build on earlier content knowledge and acquired skills. Performance tasks are strategically placed to enhance learning as students apply their knowledge and skills.

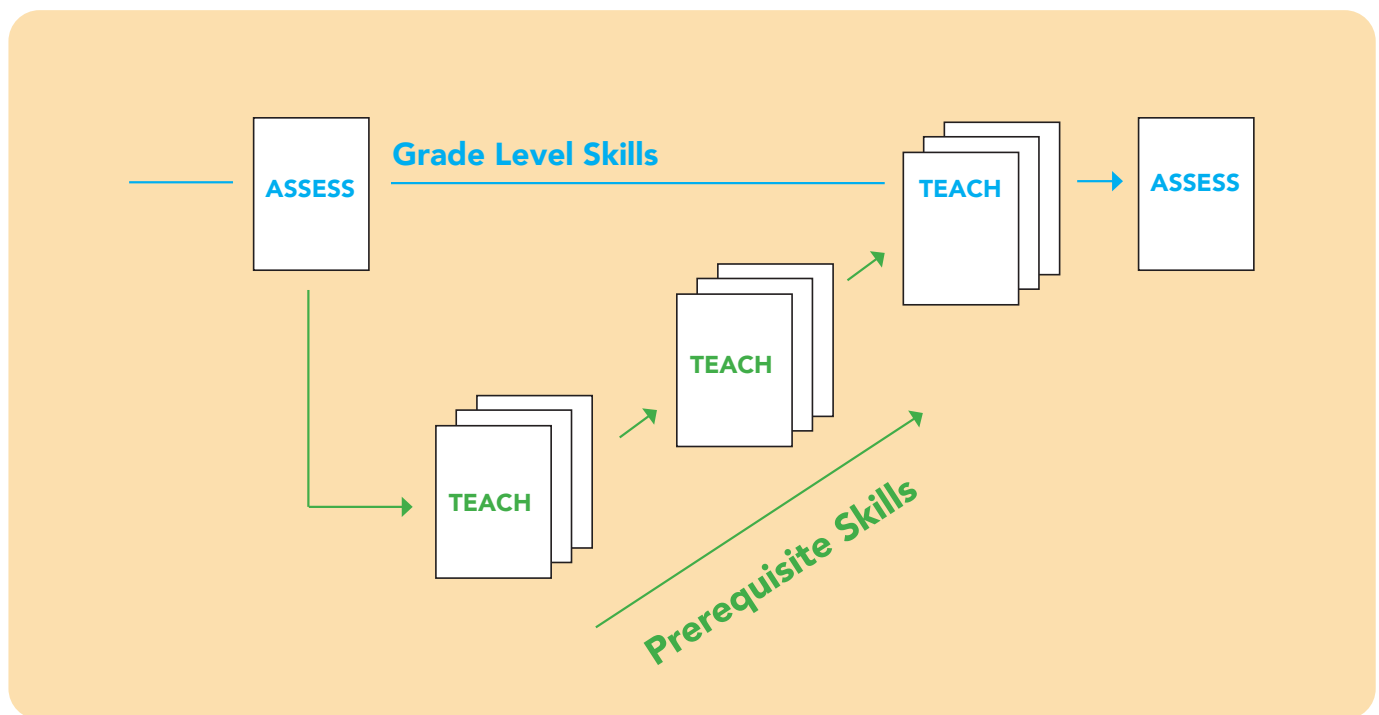


Post-Assessments

Administer a post-assessment to measure and validate student progress.

How Standards Plus Intervention Works

Standards Plus scaffolded intervention lessons teach the prerequisite skills necessary to master grade-level standards.



Each lesson includes a **step-by-step direct instruction lesson plan** that helps teachers effectively build readiness for grade level standards.

EL Support



Standards Plus materials are designed to meet the needs of English Learners by:

- Explicitly targeting the standards
- Emphasizing academic vocabulary
- Accelerating language development
- Providing immediate feedback to students
- Improving student confidence

Explore our EL Support Portal to view additional resources that provide a greater level of support for English Learners.

Visit the EL Support Portal at
www.standardsplus.org/el-support



Standards Plus Intervention Mathematics Grade 5

Lesson Index

The lesson index lists the standard, focus,
and DOK level for every Standards Plus
Intervention lesson.



Standards Plus® Intervention - Mathematics Grade 5

Lesson Index

Domain	Lesson	Focus	Standard(s) References	TE Pg	St. Ed. Pg	DOK
Number & Operations in Base 10	Pre-1	Pre-Assessment-Represent Whole Numbers & Decimals	5.NBT.1, 5.NBT.3, 5.NBT.4	16	3	1-2
	1	Place Value to 1,000s	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	18	5	
	2	Place Value to 1,000,000s		20	6	
	3	Place Value of Decimals to 0.1		22	7	
	4	Place Value of Decimals to 0.01		24	8	
	5	Naming Numbers		26	9	
	6	Expanded Notation		28	10	
	7	Number Lines – Decimals		30	11	
	8	Comparing Whole Numbers		32	12	
	9	Comparing Decimals		34	13	
	10	Round to the Nearest 10		36	14	
	11	Round to the Nearest 100 or 1,000		38	15	
	12	Round to 10,000/100,000/1,000,000		40	16	
	P1	Performance Lesson #1 – Representing Numbers (5.NBT.1, 5.NBT.3, 5.NBT.4)		43	NONE	3
	Post-1	Post-Assessment-Represent Whole Numbers & Decimals	5.NBT.1, 5.NBT.3, 5.NBT.4	44	17	1-2
	Pre-2	Pre-Assessment-Multiply & Divide Whole Numbers	5.NBT.5, 5.NBT.6	46	19	1-2
	13	Multiplication Facts	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	48	21	
	14	Multiplication Facts		50	22	
	15	Multi-Digit Multiplication		52	23	
	16	Multi-Digit Multiplication		54	24	
	17	Multi-Digit Multiplication		56	25	
	18	Division Facts		58	26	
	19	Division Facts		60	27	
	20	Long Division		62	28	
	21	Long Division		64	29	
	22	Long Division		66	30	
	P2	Performance Lesson #2 – Multiplication & Division (5.NBT.5, 5.NBT.6)		68	31	3
	Post-2	Post-Assessment-Multiply & Divide Whole Numbers	5.NBT.5, 5.NBT.6	70	32	1-2
	Pre-3	Pre-Assessment-Decimal Operations	5.NF.7	72	33	1-2
	23	Adding with Decimals	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	74	35	
	24	Subtracting with Decimals		76	36	
	25	Multiplying with Decimals		78	37	
	26	Multiplying Decimals		80	38	
	27	Multiplying Whole Numbers & Decimals		82	39	
	28	Dividing with Decimals		84	40	
	29	Dividing Whole Numbers & Decimals		86	41	
	30	Dividing Whole Numbers & Decimals		88	42	
	31	Multiple Operations in Context		90	43	
	P3	Performance Lesson #3 – Decimal Operations (5.NBT.7)		92	44-45	3

Standards Plus® Intervention - Mathematics Grade 5

Lesson Index

Domain	Lesson	Focus	Standard(s) References	TE Pg	St. Ed. Pg	DOK	
Number & Operations – Fractions	Post-3	Post-Assessment-Decimal Operations	5.NBT.7	96	46	1-2	
	Pre-4	Pre-Assessment-Fractions	5.NF.3	104	47	1-2	
	1	Identify and Write Fractions to $\frac{1}{12}$	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	106	49		
	2	Fractions: Equal to One		108	50		
	3	Fractions on a Number Line		110	51		
	4	Finding Mixed Numbers on a Number Line		112	52		
	5	Fractions & Decimals on a Number Line		114	53		
	P4	Performance Lesson #4 – Fractions (5.NF.3)			116	54	3
	Post-4	Post-Assessment-Fractions	5.NF.3	118	55	1-2	
	Pre-5	Pre-Assessment-Adding & Subtracting Fractions	5.NF.1, 5.NF.2	120	57	1-2	
	6	Adding Like Fractions	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	122	59		
	7	Subtracting Like Fractions		124	60		
	8	Lowest Common Denominator		126	61		
	9	Adding Unlike Fractions		128	62		
	10	Subtracting Unlike Fractions		130	63		
	11	Add & Subtract Unlike Fractions	132	64			
	P5	Performance Lesson #5 – Adding & Subtracting Fractions (5.NF.1, 5.NF.2)			135	NONE	3
	Post-5	Post-Assessment-Adding & Subtracting Fractions	5.NF.1, 5.NF.2	136	65	1-2	
	Pre-6	Pre-Assessment-Multiplying & Dividing Fractions	5.NF.4-5.NF.7	138	67	1-2	
	12	Multiplying Fractions	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	140	69		
	13	Dividing Fractions by Whole Numbers		142	70		
	14	Divide Whole Numbers by Fractions		144	71		
	15	Determining Area		146	72		
	16	Determining Area		148	73		
	P6	Performance Lesson #6 – Multiply & Divide Fractions (5.NF.4, 5.NF.5, 5.NF.6, 5.NF.7)			151	NONE	3
	Post-6	Post-Assessment-Multiplying & Dividing Fractions	5.NF.4- 5.NF.7	152	74	1-2	

Standards Plus® Intervention - Mathematics Grade 5

Lesson Index

Domain	Lesson	Focus	Standard(s) References	TE Pg	St. Ed. Pg	DOK	
Measurement & Data	Pre-7	Pre-Assessment-Units of Measure	5.MD.1	18	3	1-2	
	1	Measuring Length	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	20	5		
	2	Measuring Length		22	6		
	3	Using Unit Conversions		24	7		
	4	Using Unit Conversions		26	8		
	P7	Performance Lesson #7 – Units of Measure (5.MD.1)			28	9	3
	Post-7	Post-Assessment-Units of Measure	5.MD.1	30	10	1-2	
	Pre-8	Pre-Assessment-Displaying Data	5.MD.2	32	11	1-2	
	5	Displaying Data	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	34	13		
	6	Displaying Data		36	14		
	7	Displaying Data		38	15		
	8	Displaying Data		40	16		
	P8	Performance Lesson #8 – Displaying Data (5.MD.2)			42	17	3
	Post-8	Post-Assessment-Displaying Data	5.MD.2	44	18	1-2	
	Pre-9	Pre-Assessment-Volume	5.MD.3, 5.MD.4, 5.MD.5	46	19	1-2	
	9	Determining Volume	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	48	21		
	10	Determining Volume		50	22		
	11	Determining Volume		52	23		
	12	Determining Volume		54	24		
	P9	Performance Lesson #9 – Volume (5.MD.3, 5.MD.4, 5.MD.5)			57	NONE	3
	Post-9	Post-Assessment-Volume	5.MD.3, 5.MD.4, 5.MD.5	58	25	1-2	

Standards Plus® Intervention - Mathematics Grade 5

Lesson Index

Domain	Lesson	Focus	Standard(s) References	TE Pg	St. Ed. Pg	DOK	
Geometry	Pre-10	Pre-Assessment-Graphing Points	5.G.1, 5.G.2	64	27	1-2	
	1	Using x- and y-coordinates to Determine Length	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	66	29		
	2	Using x- and y-coordinates to Determine Length		68	30		
	3	Graphing in the Coordinate Plane		70	31		
	4	Graphing in the Coordinate Plane		72	32		
	5	Graphing in the Coordinate Plane		74	33		
	P10	Performance Lesson #10 – Graphing (5.G.1, 5.G.2)			76	34	3
	Post-10	Post-Assessment-Graphing Points	5.G.1, 5.G.2	78	35	1-2	
	Pre-11	Pre-Assessment-Triangles & Quadrilaterals	5.G.3, 5.G.4	80	37	1-2	
	6	Classifying Angles by Their Measure	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	82	39		
	7	Classifying Triangles by Their Angles		84	40		
	8	Find the Measure of an Angle in a Triangle		86	41		
	9	Find the Measure of an Angle in a Quadrilateral		88	42		
	P11	Performance Lesson #11 – Triangles & Quadrilaterals (5.G.3, 5.G.4)			91	NONE	3
	Post-11	Post-Assessment-Triangles & Quadrilaterals	5.G.3, 5.G.4	92	43	1-2	

Standards Plus® Intervention - Mathematics Grade 5

Lesson Index

Domain	Lesson	Focus	Standard(s) References	TE Pg	St. Ed. Pg	DOK
Operations & Algebraic Thinking (Mathematical Practices: 1, 2, 4, 5, 6, 7, 8)	Pre-12	Pre-Assessment-Expressions & Equations	5.OA.1, 5.OA.2	100	45	1-2
	1	Commutative Property of Addition	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	102	47	
	2	Commutative Property of Multiplication		104	48	
	3	Associative Property of Multiplication		106	49	
	4	Distributive Property of Multiplication		108	50	
	5	Order of Operations		110	51	
	6	Using Variables with Addition		112	52	
	7	Using Variables with Subtraction		114	53	
	8	Using Variables with Multiplication		116	54	
	9	Using Variables with Division		118	55	
	10	Writing Equations		120	56	
	11	Writing Equations		122	57	
	P12	Performance Lesson #12 – Expressions & Equations (5.OA.1, 5.OA.2)		124	58	3
	Post-12	Post-Assessment-Expressions & Equations	5.OA.1, 5.OA.2	126	59	1-2
	Pre-13	Pre-Assessment-Patterns	5.OA.3	128	61	1-2
	12	Solving Linear Equations	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	130	63	
	13	Solving Linear Equations		132	64	
	14	Solving Linear Equations		134	65	
	15	Solve & Graph Linear Equations		136	66	
	16	Solve & Graph Linear Equations		138	67	
	P13	Performance Lesson #13 – Patterns (5.OA.3)		140	68	3
	Post-13	Post-Assessment-Patterns	5.OA.3	142	69	1-2

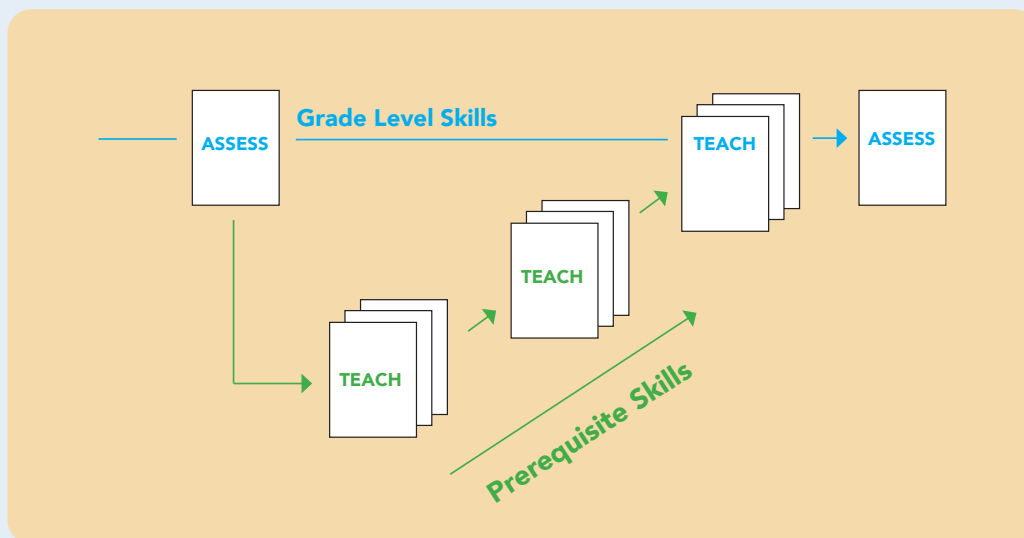


Sample Lessons

Number & Operations - Fractions

The highlighted lessons are provided as samples.

Pre-5	Pre-Assessment-Adding & Subtracting Fractions	5.NF.1, 5.NF.2	120	57	1-2
6	Adding Like Fractions	<i>Prerequisite skills and scaffolded instruction to build readiness for grade level standards and instruction.</i>	122	59	
7	Subtracting Like Fractions		124	60	
8	Lowest Common Denominator		126	61	
9	Adding Unlike Fractions		128	62	
10	Subtracting Unlike Fractions		130	63	
11	Add & Subtract Unlike Fractions		132	64	
P5	Performance Lesson #5 – Adding & Subtracting Fractions (5.NF.1, 5.NF.2)		135	NONE	3
Post-5	Post-Assessment-Adding & Subtracting Fractions	5.NF.1, 5.NF.2	136	65	1-2



Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - L11 - Post-5

Sample Pre-Assessment - Teacher Page

Teacher Lesson Plan

Standards Plus® – Intervention Mathematics – Grade 5		
Domain: Number and Operations – Fractions	Focus: Adding & Subtracting Fractions	Pre-Assessment: 5

Procedure: Each intervention assessment is designed to be completed independently by the students. Read the directions aloud, and ensure that students understand how to mark their answer choices.

Review: Review the correct answers with students as soon as they are finished.

Answers:

1. $\frac{3}{5}$
2. $\frac{4}{7}$
3. 8, 16, 24, 32, 40, 48, 56, 64, 72, 80
4. 5, 10, 15, 20, 25, 30, 35, 40, 45, 50
5. 40
6. $\frac{39}{40}$
7. $\frac{7}{40}$

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - L11 - Post-5

Sample Pre-Assessment - Student Page

Student Page

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Adding & Subtracting Fractions Pre-Assessment: 5

Directions: Solve each problem.

1. $\frac{1}{5} + \frac{2}{5} =$

2. $\frac{6}{7} - \frac{2}{7} =$

3. List the first 10 multiples of 8:

4. List the first 10 multiples of 5:

5. Find the lowest common denominator of these two fractions: $\frac{5}{8}$ and $\frac{3}{5}$.

6. $\frac{3}{5} + \frac{3}{8} =$

7. $\frac{4}{5} - \frac{5}{8} =$

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - **L6** - L7 - L8 - L9 - L10 - L11 - Post-5

Sample Teacher Lesson Plan

Teacher Lesson Plan

Standards Plus® – Intervention Mathematics – Grade 5		
Domain: Number and Operations – Fractions	Focus: Adding Like Fractions	Lesson: # 6

Lesson Objective: *Add fractions with like denominators.*

Introduction: Today students will add like fractions.

Instruction: “Today we will add fractions. The fractions that we add today will have the same, or a common, denominator.”

Guided Practice: “Look at the example. It shows $\frac{4}{12} + \frac{3}{12}$. The picture shows a rectangle divided into 12 equal parts, twelfths. Let’s shade in 4 parts to show $\frac{4}{12}$. Shade in 3 more parts to show adding $\frac{3}{12}$. (Demonstrate for students.) How many parts are shaded in all? (7) Yes, seven parts are shaded, so $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$. Write $\frac{7}{12}$ on the line provided for you. Are there any questions? (Answer questions as needed.) Please notice that the denominator stays the same in each problem. The numerator is the sum of the parts that you add.”

Independent Practice: “Now try four more like the example. You will shade in to show both fractions in order to help you find your answers. Remember that the denominator does not change. Write the answers on the lines provided for you.”

Review: After 5 minutes, review the answers to each problem. Elicit student responses on how to say each fraction name. Emphasize the *th* sound in each denominator to ensure that students hear it.

Closure: “What strategies did you use in adding fractions today?”

Answers:

1. $\frac{3}{4}$
2. $\frac{5}{6}$
3. $\frac{7}{8}$
4. $\frac{11}{11} = 1$

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Each lesson
includes
a step by
step lesson
plan.

Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - **L6** - L7 - L8 - L9 - L10 - L11 - Post-5

Sample Student Lesson

Student Page

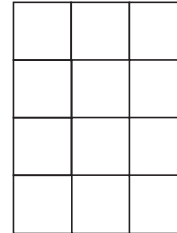
Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions

Focus: Adding Like Fractions

Lesson: # 6

$$\frac{4}{12} + \frac{3}{12} = \underline{\hspace{2cm}}$$

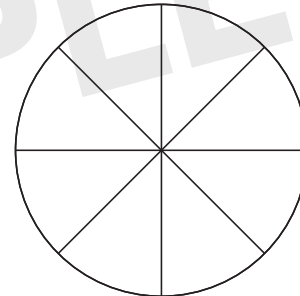


Directions: Shade to show the addition of each fraction. Write the sum on the line.

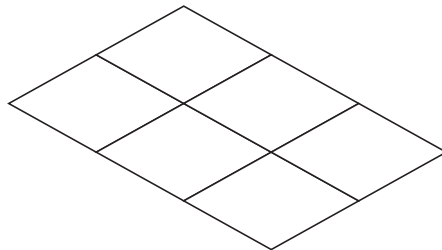
1. $\frac{1}{4} + \frac{2}{4} = \underline{\hspace{2cm}}$



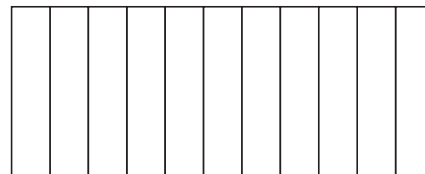
3. $\frac{2}{8} + \frac{5}{8} = \underline{\hspace{2cm}}$



2. $\frac{3}{6} + \frac{2}{6} = \underline{\hspace{2cm}}$



4. $\frac{7}{11} + \frac{4}{11} = \underline{\hspace{2cm}}$



Each lesson
also has
an easy to
follow
student
page.

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - **L9** - L10 - L11 - Post-5

Lessons 7 and 8
are not shown.

Sample Teacher Lesson Plan

Teacher Lesson Plan

Standards Plus® – Intervention Mathematics – Grade 5		
Domain: Number and Operations – Fractions	Focus: Adding Unlike Fractions	Lesson: # 9

Lesson Objective: Add fractions with unlike denominators.

Introduction: Today students will find the lowest common denominator between two fractions. Then they will add the fractions.

Instruction: “Today we will add unlike fractions. Because the fractions are unlike, we will need to determine the lowest common denominator between the two fractions first. After we have determined the lowest common denominator, we will rewrite the fractions using the denominator we have determined. Then we will add the fractions.”

Guided Practice: “Let’s begin by looking at the example. It says, $\frac{1}{4} + \frac{1}{2} = \frac{\quad}{\quad}$. We must find the lowest common denominator between one-fourth and one-half. The denominator in one-fourth is 4. The denominator in one-half is 2. In order to find the lowest common denominator, we first have to look at the multiples of each number. The first five multiples of 4 are: 4, 8, 12, 16, and 20. The first five multiples of 2 are: 2, 4, 6, 8, and 10. What is the lowest common multiple? (4) 4 is the lowest common multiple between 2 and 4. The lowest common multiple is the lowest common denominator, so the lowest common denominator between one-fourth and one-half is 4. Now we need to rewrite the fractions using the lowest common denominator. Look at one-fourth. If the denominator will be 4, we don’t need to do anything to this fraction. Look at one-half. If the denominator will be 4, we have to multiply the numerator and the denominator by 2, so $\frac{1}{2} \times \frac{2}{2} = \frac{2}{4}$. Now we can add. $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$. What is one-fourth plus two-fourths? (Three-fourths) Write $\frac{3}{4}$ on the line.”

Independent Practice: “Try the four practice items on your own. Determine the lowest common denominator and convert the fractions to the common denominator. Then add the fractions together.” If your students are not ready to move to independence on this, do the first item with them.

Review: After five minutes, review the answers to the questions. Write the answers on the projection for students. Review the strategies they used.

Closure: “Today you added unlike fractions by finding the lowest common denominator and converting the fractions to like fractions.”

Answers:

1. $\frac{7}{10}$	3. $\frac{5}{6}$
2. $\frac{11}{22}$	4. $\frac{13}{15}$

Each lesson plan includes the following direct instruction components:

Introduction

Instruction

Guided Practice

Independent Practice

Review

Closure

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - **L9** - L10 - L11 - Post-5

Lessons 7 and 8
are not shown.

Sample Student Lesson

Student Page

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Adding Unlike Fractions Lesson: # 9

$$\frac{1}{4} + \frac{1}{2} = -$$

$$\frac{1}{4} + - = -$$

$$\frac{1}{4} \times \frac{2}{2} = -$$

Multiples of 4: 4, 8, 12, 16, 20

Multiples of 2: 2, 4, 6, 8, 10

Lowest common denominator: _____

Directions: Add these unlike fractions.

1. $\frac{3}{5} + \frac{1}{10} = -$

3. $\frac{1}{3} + \frac{1}{2} = -$

2. $\frac{2}{11} + \frac{7}{22} = -$

4. $\frac{4}{5} + \frac{1}{15} = -$

Each student
page includes
examples
for
Guided
Practice...

...and
items to be
completed
in
Independent
Practice.

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - **L11** - Post-5

Sample Teacher Lesson Plan

Lesson 10 is
not shown.

Teacher Lesson Plan

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Add & Subtract Unlike Fractions Lesson: # 11

Lesson Objective: *Add and subtract fractions with unlike denominators.*

Introduction: Today students will find the lowest common denominator between two fractions. Then they will add or subtract the fractions.

Instruction: “Today we will add and subtract unlike fractions. Because the fractions are unlike, we will need to determine the lowest common denominator between the two fractions first. After we have determined the lowest common denominator, we will rewrite the fractions using the denominator we have determined. Then we will add or subtract the fractions.”

Guided Practice: “Let’s begin by looking at the examples. It says, $\frac{3}{8} + \frac{1}{5} = -$. We must find the lowest common denominator between three-eighths and one-fifth. The denominator in three-eighths is 8. The denominator in one-fifth is 5. In order to find the lowest common denominator, we first have to look at the multiples of each number. The first five multiples of 8 are: 8, 16, 24, 32, and 40. The first ten multiples of 5 are: 5, 10, 15, 20, 25, 30, 35, 40, 45, and 50. What is the lowest common multiple? (40) 40 is the lowest common multiple between 8 and 5. The lowest common multiple is the lowest common denominator, so the lowest common denominator between three-eighths and one-fifth is 40. Now we need to rewrite the fractions using the lowest common denominator. Look at three-eighths. Since the denominator will be 40, we have to multiply the numerator and the denominator by 5, so $\frac{3}{8} \times \frac{5}{5} = \frac{15}{40}$. Look at one-fifth, if the denominator will be 40, we have to multiply the numerator and the denominator by 8, so $\frac{1}{5} \times \frac{8}{8} = \frac{8}{40}$. Now we can add $\frac{15}{40} + \frac{8}{40} = -$. What is three-eighths and one-fifth? (twenty-two-fortieths) Write your answer on the line.” Work through the example with the students.

Independent Practice: “Try the four practice items on your own. Determine the lowest common denominator and convert the fractions to the common denominator. Then subtract.” If your students are not ready to move to independence on this, do the first item with them.

Review: After five minutes, review the answers to the questions. Model how to solve each item.

Closure: “Today you added and subtracted unlike fractions by finding the lowest common denominator and converting the fractions to like fractions.”

Answers:

1. $\frac{17}{20}$

2. $\frac{9}{24}$

3. $\frac{5}{18}$

4. $\frac{17}{36}$

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Each lesson
plan
includes
an answer
key

Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - **L11** - Post-5

Sample Student Lesson

Lesson 10 is
not shown.

Student Page

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Add & Subtract Unlike Fractions Lesson: # 11

Example:

$$\frac{3}{8} + \frac{1}{5} = - \quad - + - = - \quad \frac{9}{14} - \frac{2}{7} = - \quad - - - = -$$

Directions: Add and subtract these unlike fractions.

1. $\frac{13}{20} + \frac{1}{5} = -$

3. $\frac{14}{18} - \frac{1}{2} = -$

2. $\frac{2}{3} - \frac{7}{24} = -$

4. $\frac{3}{12} + \frac{2}{9} = -$

After
students
complete
Independent
Practice,
review
each item
to check for
understanding.

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - L11 - **Post-5**

Sample Post-Assessment - Teacher Page

Teacher Lesson Plan

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Adding & Subtracting Fractions Post-Assessment: B2

Procedure: Each intervention assessment is designed to be completed independently by the students. Read the directions aloud, and ensure that students understand how to mark their answer choices.

Review: Review the correct answers with students as soon as they are finished.

Answers:

1. $\frac{7}{9}$
2. $\frac{5}{12}$
3. 7, 14, 21, 28, 35, 42, 49, 56, 63, 70
4. 4, 8, 12, 16, 20, 24, 28, 32, 36, 40
5. 28
6. $\frac{25}{28}$
7. $\frac{17}{28}$

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Sample Lesson Set - Numbers and Operations - Fractions

Pre-5 - L6 - L7 - L8 - L9 - L10 - L11 - **Post-5**

Sample Post-Assessment - Student Page

Student Page

Standards Plus® – Intervention Mathematics – Grade 5

Domain: Number and Operations – Fractions Focus: Adding & Subtracting Fractions Post-Assessment: B2

Directions: Solve each problem.

1. $\frac{2}{9} + \frac{5}{9} =$

2. $\frac{8}{12} - \frac{3}{12} =$

3. List the first 10 multiples of 7:

4. List the first 10 multiples of 4:

5. Find the lowest common denominator of these two fractions: $\frac{1}{7}$ and $\frac{1}{4}$.

6. $\frac{1}{7} + \frac{3}{4} =$

7. $\frac{6}{7} - \frac{1}{4} =$

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Sample Performance Task (DOK 3)

Formative assessments that build on earlier content knowledge and acquired skills. Performance tasks are strategically placed to enhance learning as students apply their knowledge and skills.

Many standards are assessed at this level of rigor on state assessments.

Lesson Objective: The students will provide a step-by-step model for adding and subtracting unlike fractions.

Instruction: Review adding and subtracting fractions with the students. Discuss the importance of having like terms prior to adding or subtracting.

Guided Practice: Write the following problems on the board. Have the students solve on their own, making a note of each step as they solve:

$$\frac{2}{3} + \frac{2}{5} = \qquad \frac{3}{5} - \frac{1}{4} =$$

Solve each problem and discuss each step. Have the students check off or highlight each step to ensure they have all the steps on their papers.

Independent Practice: Provide poster paper for the students. Have them create a step-by-step model for adding unlike fractions on one side of the paper and a step-by-step model for subtracting unlike fractions on the other side of the paper.

Review: Have students share their models with a partner or small group. Hold a class discussion about the models and discuss which step(s) the students forgot or failed to explain well on their posters. Ensure that students correct any errors.



What Educators Say About Standards Plus Intervention...



"Our school ordered the Standards Plus Intervention Materials. We have used it for re-teaching in small groups, after-school intervention groups, English Learner Support groups and Intervention groups during the school day.

I love these materials because they offer re-teaching guidance to help all students (even struggling students) obtain mastery. Many of the intervention students took off academically. Several are on the Honor Roll as 6th and 7th graders and when asked the students believe Standards Plus Intervention was the reason. Everyone agrees Standards Plus is the simple-to-use missing piece that helped guide all our students to better learning.

Thank you Standards Plus for making such a focused well designed, easy to teach program that keeps our teachers and students focused on the standards."

- Academic Coach/Literacy Specialist

Lemonwood Elementary, Oxnard School District



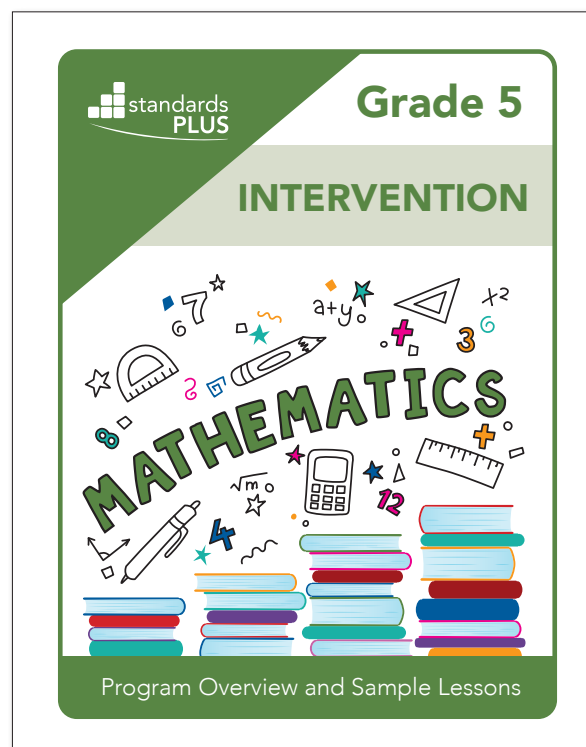
"The 140 teachers using Standards Plus Intervention in our district program are very happy with the materials. We also appreciate all of the attention Standards Plus has given our district over the years. Our students will be the ones who benefit."

- Coordinator of Educational Options

Ceres USD



All Standards Plus purchases include live online teacher training to ensure a successful implementation.



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