

) Fraction Operations and ((() Integer Concepts Unit Plan



	LESSON	RESOURCES	
Unit	Prep (pgs. 8 – 14)	 Weekly Warm Up Sheet Exit Tickets Lesson Plan Template Vocabulary Pages Unit Pre-Assessment 	
(1)	Review: Equivalent Fractions and Simplest Form (pgs. 15 – 22)	 Three Warm Ups Equivalent Fractions and Simplest Form Open Notes Page Equivalent Fractions and Simplest Form Practice Equivalent Fractions Flip Book 	
(2)	Review: Adding and Subtracting Fractions and Mixed Numbers (pgs. 23 – 32)	 Three Warm Ups Adding & Subtracting Fractions and Mixed Numbers Notes Adding Fractions and Mixed Numbers Practice Subtracting Fractions and Mixed Numbers Practice Adding and Subtracting Fractions Steps Organizer Adding and Subtracting Mixed Numbers Steps Organizer. Adding and Subtracting Fractions and Mixed Numbers Word Problems Practice 	
(3)	Review: Multiplying Fractions and Mixed Numbers (pgs. 33 – 40)	 Three Warm Ups Multiplying Fractions and Mixed Numbers Notes Multiplying Fractions and Mixed Numbers Steps Organizer Multiplying Fractions and Mixed Numbers Practice Multiplying Fractions and Mixed Numbers Word Problems Practice 	
(4)	Dividing Fractions and Mixed Numbers by Fractions (pgs. 41 – 55)	 Five Warm Ups Dividing Fractions and Mixed Numbers Notes Dividing Fractions and Mixed Numbers Practice Multiplying and Dividing Fractions and Mixed Numbers Steps Organizer Fraction Operations Mini Book Operations with Fractions and Mixed Numbers Quiz 	



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	LESSON	RESOURCES
(5)	Understanding Integers (pgs. 56 – 65)	 Three Warm Ups Understanding Integers Notes Understanding Integers Fold and Flip Notes Understanding Integers Practice Understanding Integers Number Line Practice
(6)	Absolute Value (pgs. 66 – 75)	 Three Warm Ups Absolute Value Notes Absolute Value Fold and Flip Notes Absolute Value Practice
(7)	Plotting in a coordinate plane (pgs. 76 – 87)	 Three Warm Ups Coordinate Planes Notes (2 pages) Coordinate Planes Fold and Flip Notes Coordinate Planes Practice Coordinate Planes Real World Practice
End of Unit (pgs. 88 – 92)		Study Guide Unit Exam

Fraction Operations and Integer Concepts UNIT PREP

SUGGESTED TIME FRAME: ONE DAY

Resources Included:

- Weekly Warm Up Sheet
 - Copy weekly for each student. This provides them with an organized place to keep their warm ups each day and makes it simple for grading.
- Exit Tickets
 - This sheet includes 5 exit tickets that can easily be cut or torn by students and turned in each day. Provide students with a single problem to solve or question to respond to at the end of each class.
 - Exit ticket problems are not included since classes work at different paces.
- Lesson Plan
 - A blank lesson plan template is included for you to print and record your daily lesson(s).
- Vocabulary
 - Two versions of the vocabulary sheet are included. One pre-filled with words from the unit and one blank.
- Pre-Assessment
 - A short one page assessment



SUGGESTED TIME FRAME: TWO DAYS - QUICK REVIEW LESSON

Resources included:

- Three Warm Ups
- Equivalent Fractions and Simplest Form Open Notes Page
- Equivalent Fractions and Simplest Form Practice can be used for classwork or homework
- Equivalent Fractions Flip Book

Essential Skills:

- Understand how to use multiplication and division to identify equivalent fractions.
- Fluently reduce fractions to their simplest form.



SUGGESTED TIME FRAME: THREE DAYS - REVIEW LESSON

Resources included:

- Three Warm Ups
- Adding & Subtracting Fractions and Mixed Numbers Notes
- Adding Fractions and Mixed Numbers Practice can be used for homework or classwork
- Subtracting Fractions and Mixed Numbers Practice can be used for homework or classwork
- Adding and Subtracting Fractions Steps Organizer.
- Adding and Subtracting Mixed Numbers Steps Organizer.
- Adding and Subtracting Fractions and Mixed Numbers Word Problems Practice – can be used for homework or classwork

Essential Skills:

 Add and subtract fractions and mixed numbers with unlike denominators.



SUGGESTED TIME FRAME: TWO DAYS - REVIEW LESSON

Resources included:

- Three Warm Ups
- Multiplying Fractions and Mixed Numbers Notes
- Multiplying Fractions and Mixed Numbers Steps Organizer
- Multiplying Fractions and Mixed Numbers Practice can be used for homework or classwork.
- Multiplying Fractions and Mixed Numbers Word Problems Practice can be used for homework or classwork.

Essential Skills:

 Multiply fractions and mixed numbers by fractions and whole numbers.



SUGGESTED TIME FRAME: FOUR TO FIVE DAYS

Resources included:

- Five Warm Ups
- Dividing Fractions and Mixed Numbers Notes
- Dividing Fractions and Mixed Numbers Practice can be used for homework or classwork
- Multiplying and Dividing Fractions and Mixed Numbers Steps Organizer
- Fraction Operations Mini Book
- Operations with Fractions and Mixed Numbers Quiz

Essential Skills:

· Add, subtract, multiply and divide fractions and mixed numbers.



SUGGESTED TIME FRAME: ONE TO TWO DAYS - QUICK REVIEW LESSON

Resources included:

- Three Warm Ups
- Understanding Integers Notes
- Understanding Integers Fold and Flip Notes
- Understanding Integers Practice can be used for homework or classwork
- Understanding Integers Number Line Practice can be used for homework or classwork

Essential Skills:

- Understand a rational number as a point on the number line.
- Extend number line diagrams and coordinate axes to represent points on the line and in the plane with negative number coordinates.
- Use positive and negative numbers to represent quantities in realworld contexts, explaining the meaning of 0 in each situation.



SUGGESTED TIME FRAME: ONE TO TWO DAYS - QUICK REVIEW LESSON

Resources included:

- Three Warm Ups
- Absolute Value Notes
- Absolute Value Fold and Flip Notes
- Absolute Value Practice can be used for homework or classwork

Essential Skills:

• Understand ordering and absolute value of rational numbers.



SUGGESTED TIME FRAME: ONE TO TWO DAYS - QUICK REVIEW LESSON

Resources included:

- Three Warm Ups
- Coordinate Planes Notes (2 pages)
- Coordinate Planes Fold and Flip Notes
- Coordinate Planes Practice can be used for homework or classwork.
- Coordinate Planes Real World Practice can be used for homework or classwork.

Essential Skills:

- Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane.
- Extend number line diagrams and coordinate axes to represent points on the line and in the plane with negative number coordinates.

Fraction Operations and Integer Concepts END OF UNIT

SUGGESTED TIME FRAME: ONE DAY

Resources Included:

- Study Guide
- Final Unit Exam (3 pages)
 - The third page is just "bare" problems. Leave it out if you'd rather not have these basic problems.



