

Mrs. Logan Advanced Math
Week 2: August 21-25

Module 1: Rational and Irrational Numbers

Topic A: Add and Subtract Rational Numbers & Topic B: Multiply and Divide Rational Numbers

	Monday August 21st	Tuesday August 22nd	Wednesday August 23rd	Thursday August 24th	Friday August 25th
Lesson	Lesson 4: Subtracting Integers	Lesson 5: Subtracting Rational Numbers	Module 1 Topic A Quiz	Lesson 6: Multiplying Integers and Rational Numbers	Lesson 7: Exponential Expressions and Relating Multiplication to Division
Pages	57-65	67-80	5-80	83-98	99-114
We will...	explore what is means to subtract a negative integers.	subtract non-integer rational numbers.	explore addition and subtraction of rational numbers.	explore different ways to determine products of integers and rational numbers.	calculate products of rational numbers, evaluate exponential expressions, and use what we know about rational number multiplication to divide rational numbers.
Bell Ringer	Add Integers	Add and Subtract Integers	Quiz Prep	Multiplication Expressions	Predicting Signs
Exit Ticket	Equivalent Addition Expression	Evaluate Non-integer Expression	Quiz Feedback	Multiplying Integers	Evaluate Exponential and Division Expressions
I will...	express subtraction of an integer as addition of its opposite by using equivalent addition expressions.	evaluate expressions involving subtraction of rational numbers by using equivalent addition expressions.	use properties of operations and other familiar strategies to evaluate expressions with rational numbers.	determine products of integers and rational numbers with repeated addition and properties of operations.	evaluate exponential expressions of rational numbers and write divisions expressions as unknown factor equations.
Reminders	Sprint today for a grade- Addition and Subtraction of Integers.	Quiz tomorrow! Study Guide will be posted on my Canvas.	Module 1 Topic A Quiz		

7.NS.A.3. Solve real-world and mathematical problems involving the four operations with rational numbers

7.NS.A.1.a. Describe situations in which opposite quantities combine to make 0.

7.NS.A.1.b. Understand $p + q$ as the number located a distance $|q|$ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real world context.

State
Standards

7.NS.A.1.c. Understand subtraction of rational numbers as adding the additive inverse, $p - q = p + (-q)$. Show that the distance between two rational numbers on the number line is the absolute value of their difference and apply this principle in real world contexts.

7.NS.A.1.d. Apply properties of operations as strategies to add and subtract rational numbers.

7.NS.A.2.a Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as $(-1)(-1) = 1$ and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.

7.NS.A.2.c. Apply properties of operations as strategies to multiply and divide rational numbers.