

17-18 JMS Lesson Plan

Teacher:	Carol S. Wilson; Lori Holbert; Darlene Fowler; Robert Faber	Subject:	UNIT 1 Operations with Rational Numbers*
Date:	QUARTER 1; 4-5 Weeks	Grade:	7th Grade Math UNIT 1 Plan
I Can...	<ul style="list-style-type: none"> ○ add and subtract rational numbers on vertical or horizontal number lines ○ describe situations in which opposite quantities combine to make zero ○ understand that $p+q$ is the absolute value of q in the positive or negative direction ○ a number and its opposite have a sum of zero 	I Can...	<ul style="list-style-type: none"> ○ interpret and describe sums of rational numbers in the real world ○ understand subtraction of rational numbers is adding the additive inverse ○ use and apply properties of operations to add and subtract rational numbers in real world context
Standard(s):	MGSE7.NS.1a-d: Additive Inverse ● Multiplicative Inverse ● Absolute Value ● Integers ● Long Division ● Natural Numbers ● Negative Numbers ● Opposite Numbers ● Positive Numbers ● Rational Numbers ● Repeating Decimal ● Terminating Decimal ● Zero Pair		
Teacher Notes:	*Corresponds to Lessons from Holt Modules 1, 2, and 3		
DOK Level	Activities / Assignments / Questions		Assessment
REMEDIATION	<ul style="list-style-type: none"> ➤ Arrange whole numbers with number line ➤ Recall algorithms for the four basic operations using whole numbers with emphasis on long division ➤ Use the Order of Operations 		<input checked="" type="checkbox"/> Formative <input type="checkbox"/> Summative <input checked="" type="checkbox"/> Selected Response <input type="checkbox"/> Constructed Response <input checked="" type="checkbox"/> Verbal <input type="checkbox"/> Rubric <input checked="" type="checkbox"/> Other – Teacher observation/checklist
2	<ul style="list-style-type: none"> ➤ Identify and apply properties of numbers to rational number as appropriate ➤ Graph integers and other rational numbers on a number line ➤ Calculate the product, quotient, sum, and difference with rational numbers including decimal and fractional 		<input checked="" type="checkbox"/> Formative <input checked="" type="checkbox"/> Summative <input checked="" type="checkbox"/> Selected Response <input checked="" type="checkbox"/> Constructed Response <input checked="" type="checkbox"/> Verbal <input type="checkbox"/> Rubric <input checked="" type="checkbox"/> Other – Teacher observation/checklist
	<ul style="list-style-type: none"> ➤ Compare fractions, decimals, and percents ➤ Generate a reasonable argument why there is not an associative property of division 		<input checked="" type="checkbox"/> Selected Response

<p style="text-align: center;">3</p>	<ul style="list-style-type: none"> ➤ Construct viable arguments and critique the reasoning of others when working with rational numbers ➤ Reason abstractly and quantitatively when working with rational numbers ➤ Use rational number concepts to solve non-routine problem 	<input checked="" type="checkbox"/> Formative <input checked="" type="checkbox"/> Summative	<input checked="" type="checkbox"/> Constructed Response <input type="checkbox"/> Essay <input checked="" type="checkbox"/> Verbal <input type="checkbox"/> Rubric <input checked="" type="checkbox"/> Other – Teacher observation/checklist
<p style="text-align: center;">4</p>	<ul style="list-style-type: none"> ➤ Complete items from <u>Operations with Rational Numbers</u> Choice Board as appropriate (poster, game, letter, paragraph, story problems, quiz, PowerPoint, rap/rhyme, page) ➤ Complete GADOE tasks as appropriate 	<input checked="" type="checkbox"/> Formative <input checked="" type="checkbox"/> Summative	<input type="checkbox"/> Selected Response <input checked="" type="checkbox"/> Constructed Response <input checked="" type="checkbox"/> Essay <input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Rubric <input type="checkbox"/> Other – Teacher observation/checklist
<p>Summarizing Activities:</p>	<p>Ticket out the Door Thumbs Up / Thumbs Down Teacher Questions/Checklist Lesson Quizzes Module Quizzes Unit Tests Tasks</p>		
<p>Resources:</p>	<p>Center/station activities/games Outstanding Math Guide foldables Interactive Math Notebook: class notes, examples, other foldables IPAD – Apps / Kahoot Math in the Fast Lane: mathinfastlane.com Holt online resources (*differentiated review worksheets, quizzes, and tests): http://my.hrw.com/ Khan Academy videos: https://www.khanacademy.org/math/cc-seventh-grade-math Study Jams interactive lessons: http://studyjams.scholastic.com/studyjams/jams/math/index.htm BrainPop videos: https://www.brainpop.com/math/ MobyMax lessons: https://www.mobymax.com/signin Virtual Nerd videos: http://www.virtualnerd.com/ PARCC practice Items: https://prc.parcconline.org/assessments/parcc-released-items USA Test Prep: http://www.usatestprep.com/member-login Tarver Academy: http://www.tarveracademy.com/ IXL: https://www.ixl.com</p>		