

Topic 1 | Lesson 1-1 | Operations on Real Numbers

Pacing: 2 Days / Block: 1 Day

LESSON OBJECTIVE(S)		ESSENTIAL UNDERSTANDING
<p>Students will be able to:</p> <p>Find the sum or product of two rational numbers and explain why the sum or product is rational.</p> <p>Find the sum or product of rational and irrational numbers and explain why the sum or product is irrational.</p>		<p>The set of real numbers includes both rational and irrational numbers. The sum or product of two rational numbers is rational. The sum or product of a rational and an irrational number is irrational.</p>
NEW VOCABULARY		
STANDARDS		
Common Core State Standards for Mathematics		
<p>Content Standards</p> <p>HSN.RN.B.3</p>	<p>Standards for Mathematical Practice</p> <p>MP.2, MP.3, MP.5</p>	
STUDENT EDITION	STUDENT COMPANION	
Pages 5-10 or at savvasrealize.com	Pages 1-4 or at savvasrealize.com	

Teaching the Lesson

STEP 1: EXPLORE	
Critique and Explain	<p>Student Edition & Student Companion</p> <p>savvasrealize.com</p>
STEP 2: UNDERSTAND & APPLY	
Example 1: Understand Sets and Subsets	<p>Student Edition & Student Companion</p> <p>savvasrealize.com</p>
<p>Example 2: Compare and Order Real Numbers</p> <p>Support for Advanced Students</p>	<p>Student Edition & Student Companion</p> <p>savvasrealize.com</p>

Example 3: Operations With Rational Numbers Support for Struggling Students and English Language Learners	Student Edition & Student Companion savvasrealize.com
Example 4: Operations With Rational and Irrational Numbers	Student Edition & Student Companion savvasrealize.com
Concept Summary Do You UNDERSTAND? and Do You KNOW HOW?	Student Edition & Student Companion savvasrealize.com
STEP 3: PRACTICE AND PROBLEM SOLVING	
Practice and Problem Solving	Student Edition savvasrealize.com
STEP 4: ASSESS & DIFFERENTIATE	
Lesson Quiz	Teacher Resource Download Center savvasrealize.com
Differentiated Resources Library <ul style="list-style-type: none"> • Reteach to Build Understanding • Mathematical Literacy and Vocabulary • Additional Practice • Enrichment • Video Tutorials 	Teacher Resource Download Center savvasrealize.com