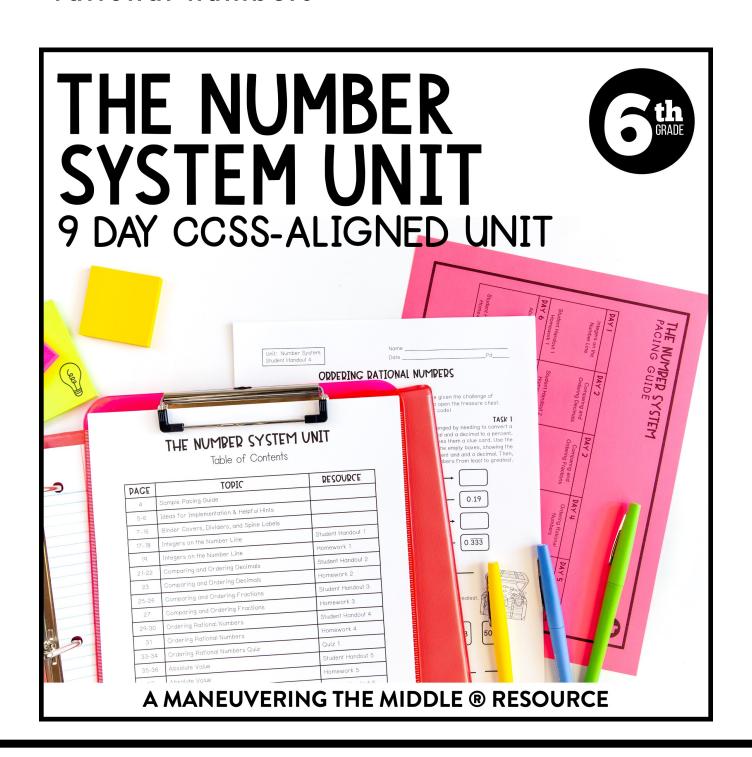
## learning focus:

- compare and order integers on a number line
- interpret statements of inequality
- understand ordering and absolute value of rational numbers



5th GRADE

a 9 day CCSS-aligned unit CCSS: 6.NS.5, 6.NS.7a, 6.NS.7b, 6.NS.7c, 6.NS.7d

# ready-to-go, scaffolded student materials

### THE NUMBER SYSTEM UNIT

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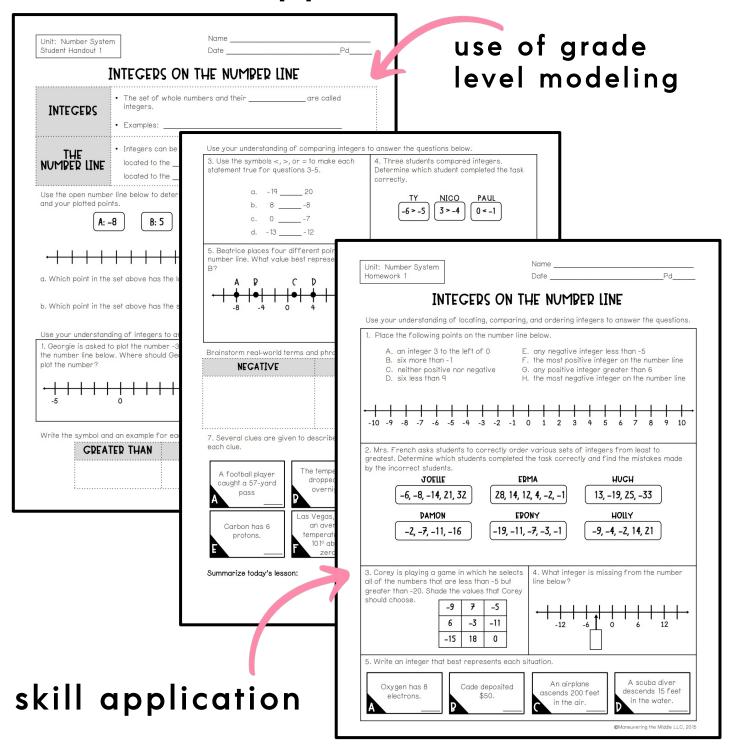
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a 9 day CCSS-aligned unit CCSS: 6.NS.5, 6.NS.7a, 6.NS.7b, 6.NS.7c,

6.NS.7d

# student friendly + real-world application





a 9 day CCSS-aligned unit CCSS: 6.NS.5, 6.NS.7a, 6.NS.7b, 6.NS.7c,

6.NS.7d

## streamline your planning process with unit overviews

#### THE NUMBER SYSTEM OVERVIEW



#### STANDARDS

6.NS.5 Understand that positive and negative numbers are used together to describe quantities having opposite direction or values. Use positive and negative numbers to represent quantities in real world contexts, explaining the meaning in each situation.

6.NS.7 Understand ordering and absolute value of rational numbers

6.NS.7a Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram

6.NS.7b Write, interpret, and explain statements of order for rational numbers in real world contexts 6.NS.7c Understand the absolute value of a rational number as its distance from 0 on the number

line; interpret absolute value as magnitude for a positive or negative quantity in a real world situation

6.NS.7d Distinguish comparisons of absolute value from statements about order



key vocabulary



vertical alignment



- Numbers can be represente
- Numbers can be represente
- · The number system is a wa



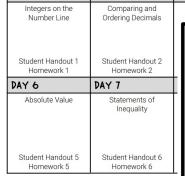


sample pacing calendar

#### ESSENTIAL QUESTIONS

- · How is a number different t
- · What process can you use to
- · How can you determine the

### PACING GUIDE



DAY 2

DAY 3

Comparing and

#### THE NUMBER SYSTEM OVERVIEW

DAY 4

Ordering Rational



TOPIC	TEACHING TIPS	
The Number Line	Consider introducing both a horizontal and a vertical number line. Seeing the vertical number line (which is more intuitive to how we count) next to a horizontal vertical line may help students to make connections and provides another visual model.	
Ordering Integers and Decimals	Use masking tape to mark off a number line on the floor from -10 to 10. Assign five students a number and have them order themselves without talking, but allow the class to help. Repeat and make the numbers increasingly more difficult.	
Ordering Rational Numbers	Use the number line from the day before, but repeat with a slightly different variation. Use three different colored papers or markers for fractions, decimals, and percents. Teach students to order like forms of numbers by passing out the cards, then asking students to order themselves on the number line.	
Absolute Value	At the beginning of class, play a game of Simon Says. In this math twist, ask students to do the opposite of what you say. Then, give them a number and ask for the opposite of the number. Ask students to keep that in mind as you continue to learn about absolute value. By the end, students should be able to differentiate between the opposite of a number and its absolute value.	
	Students need to be able to read and write inequality statements comparing two different numbers.  This are be different in The comparing two different numbers.  The comparing two different numbers.	

DAY 5

Ordering Rational

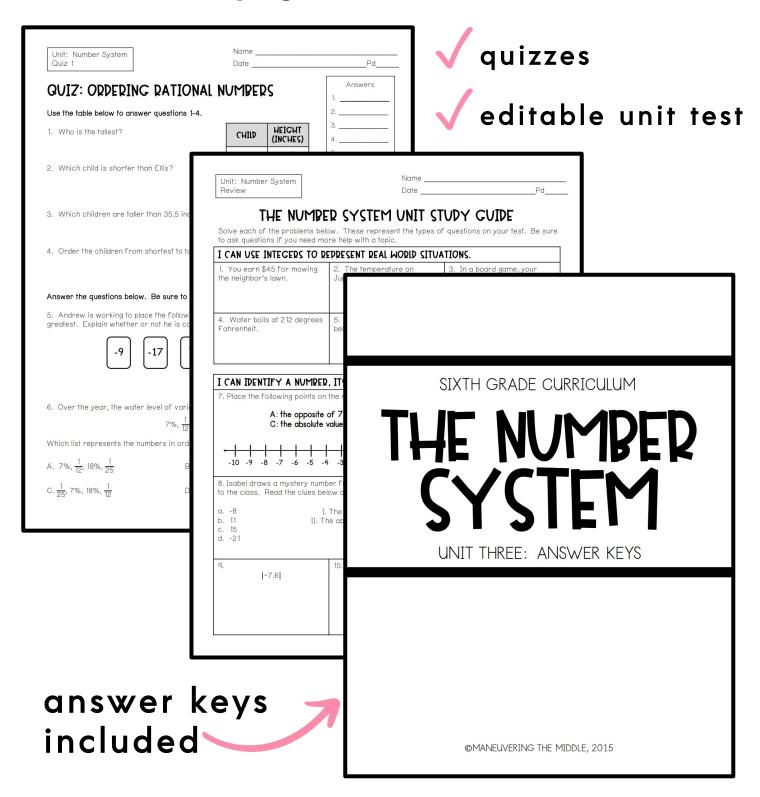
teaching ideas





a 9 day CCSS-aligned unit CCSS: 6.NS.5, 6.NS.7a, 6.NS.7b, 6.NS.7c, 6.NS.7d

## unit study guide + assessments



A MANEUVERING THE MIDDLE® RESOURCE