

TEKS-tivity Book - Teacher Edition

Overview of how to use the book along with the organization of each unit.

Detailed directions for the teacher along with facilitating questions are included for every activity.

BI Number Concepts
Numerical Representations and Relationships SE pp. 1 - 10

Texas Essential Knowledge & Skills
Category 1 The student will demonstrate an understanding of how to use algebraic methods to manipulate numbers, expressions, and equations.

Student Expectations
Number and operations. The student applies mathematical process standards to represent and use rational numbers in a variety of forms.

TEKS	Student is expected to...
6.2A	classify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers. (SS)
6.2B	identify a number, its opposite, and its absolute value. (SS)
6.2C	locate, compare, and order a set of rational numbers on a number line and real-world situations.
6.2D	order a set of rational numbers on a number line and real-world situations.

Unit 1 - Number Concepts
This unit contains four standards: the readiness standard.

The focus of this unit is for students and the relationship between number systems: Rational Numbers. Although 6.2A is a support of the relationship between different advanced mathematics.

Not only is it important for students but students need to understand the unit continues to have the students absolute value. TEKS 6.2B is focused its absolute value. It is important th of a number represents the distance

The unit continues by examining the numbers. TEKS 6.2C requires the st

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A Number Concepts
Numerical Representations and Relationships
Activity 1: 6.2A
Name: _____

$\frac{25}{6}$	-29	-7
$\frac{16}{4}$	$4\frac{1}{3}$	$-3\frac{1}{4}$
-15	4.6	
0	$\frac{1}{8}$	

How did you decide to create your visual representation?

How did you determine which category to place each number in?

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T Number Concepts
Numerical Representations and Relationships
Ticket Out the Door
Unit 1: 6.2A, 6.2B, 6.2C, 6.2D
Name: _____

Ticket #1

What is the difference between whole numbers, integers, and rational numbers?

What is the difference between integers and the absolute value of a number?

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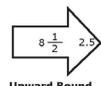
Engaging Activities and Formative Assessments are designed to focus on the various aspects of each TEKS (verb, content, and methods of implementation).

Item Analysis for every item in each Formative Assessment to enable the teacher to use those items as a re-teach tool.

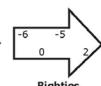
IA Equivalence
Numerical Representations and Relationships
Unit 1: 6.2A, 6.2B, 6.2C, 6.2D
Name: _____

TEKS 6.2A Supporting Standard
Identify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers.

ITEM 1 Which statement is true about the two arrows below? (6.2A, SS, RCJ)



Upward Bound



Righties

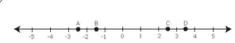
Answer Analysis

A	
B	
C	
D	

What types of numbers are included in the Righties?

TEKS 6.2B Supporting Standard
Identify a number, its opposite, and its absolute value.

ITEM 2 Which statement is true about the number line below? (6.2B, SS, RCJ)



Answer Analysis

F	
G	
H	
J	

How do you know when two numbers are opposites?

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