

Number Smash

Students can practice basic Algebra 1 concepts using the Topics in Algebra 1 App. In this activity, we will look at the first chapter, called Number Sense. This is a tutorial that addresses the definition of the sign of numbers, absolute value, and numbers of the opposite sign.



Before you begin, you will need the Topics in Algebra 1 App loaded on your TI-73 Explorer™. Read the instructions and download the App from education.ti.com/apps

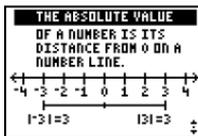
Engage

1. Turn on your TI-73 Explorer and press **[APPS]**
2. Scroll down to find ALGPRT1 and press **[ENTER]**
3. Press any key to continue
4. Find the menu titled Algebra Chapters
 - If necessary, press <UP> (**[ZOOM]**) until you find it
5. Press **[1]** for 1: Number Sense, then **[1]** for 1: Integers and **[1]** again for 1: Overview
6. Press **[▶]** to begin the overview

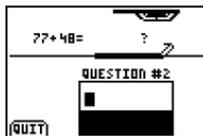
Explore

1. Use **[▶]** to move through the overview and answer these questions:
 - What temperatures are shown for Death Valley?
_____°C and _____°F
 - What is the difference between the set of natural numbers and the set of whole numbers?
 - What is the difference between the set of whole numbers and the set of integers?
 - What is absolute value?

Continued on back



ADDITION	
+	SAME SIGNS
-	OPPOSITE SIGNS
*	$a + b$ $-a + b$
÷	$-a + b$ $a + b$
SELECT & PRESS [CENTER] ◀	



Number Smash

- When you get to the Addition screen shown below, highlight $+$ and press **ENTER**
- Use \rightarrow to advance through the examples and steps for addition of integers (when the \rightarrow key no longer advances the screens, you have reached the end of addition of integers)



Extension

- Now press **2nd** **MODE**, then **3** for 3:Activities
- Press \rightarrow , then \downarrow for 2: Number Smash, and press **ENTER**
- Choose your level of difficulty by using \uparrow \downarrow , and then press **ENTER**
- Select addition by pressing $\leftarrow + \rightarrow$ (**WINDOW**)
- Type your answers to each question, and then press **ENTER** (don't forget to use the \ominus when entering negative numbers)
- Record your score when finished

