

<b>Chapter 6</b>	<b>Integers and the Coordinate Plane</b>		
Date:	<b>6.1 Integers</b>		
<b>Essential Question</b>	<b>How can you represent numbers that are less than 0?</b>		
<b>Vocab</b>	<b>Word</b>	<b>Definition</b>	<b>Examples</b>
	positive numbers	numbers that are greater than 0; can be written with or without a positive sign (+)	1 +5 20 +10,000
	negative numbers	numbers that are less than 0; are written with a negative sign (-)	- 1 - 5 - 20 - 10,000
	opposites	two numbers that are the same distance from 0 but are on opposite sides of 0	- 4 and 4 - 43 and 43

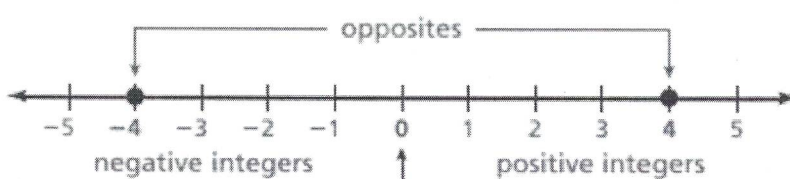
## KEY IDEA

## Key Idea

### Integers

**Words** Integers are the set of whole numbers and their opposites.

### Graph



Zero is neither negative nor positive.



## Composition Book

### 6.1 Integers

Identify words in the paragraph below that indicate positive or negative integers.

For Tim's 13th birthday, he **received** \$150 in cash from his mom. His dad took him to the bank to open a savings account. Tim gave the cash to the banker to **deposit** into the account. The banker **credited** Tim's new account \$150 and gave Tim a receipt. One week later, Tim **deposited** another \$25 that he had **earned** as allowance. The next month, Tim's dad gave him permission to **withdraw** \$35 to **buy** a new video game. Tim's dad explained that the bank would **charge** a \$5 **fee** for each **withdrawal** from the savings account and that each **withdrawal** and **charge** would result in a **debit** to the account.

**Composition Book**  
**6.1 Integers**

Write a positive or negative integer that represents each situation.

- 1) A contestant gains 250 points on a game show.

**250**      **or**      **+250**

- 2) Gasoline freezes at 40 degrees below zero.

**- 40**

**Complete numbers 1 - 4 on your notes page.**

**1) A hiker climbs 900 feet up a mountain.**

**900 or + 900**

**2) You have a debt of \$24.**

**- 24**

**3) A student loses 5 points for being late to class.**

**- 5**

**4) A savings account earns \$10.**

**10 or + 10**