### **MOMENTUM MATH LEVEL H**



L	esson A:	Positive and Negative Numbers
		what is a negative number:
L	esson B:	Adding Integers
L	esson C:	Subtracting Integers
L	esson D:	Multiplying and Dividing Integers
L	esson E:	Comparing Rational Numbers41 Where do positive and negative fractions fall on the number line?
L	esson F:	Adding and Subtracting Improper Fractions and Mixed Numbers
L	esson G:	Multiplying and Dividing Improper Fractions and Mixed Numbers
L	esson H:	Adding and Subtracting Rational Numbers
L	esson I:	Multiplying and Dividing Rational Numbers
L	esson J:	Exponents
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## **POSITIVE AND NEGATIVE NUMBERS**

# **Today's Destination**What is a negative number?



#### Vocabulary —

**Integers** The set of whole numbers and their opposites

**Negative Number** A number that is less than zero

**Plot** To draw a dot at a certain point on a number line or graph

**Positive Number** A number that is greater than zero



#### Problem of the Day —





How much money has Matt spent? \_\_\_\_\_

1) Stan says, "A number line is like an elevator. All the floors below ground are negative numbers, and all the floors above ground are positive numbers."

Draw a diagram to illustrate Stan's comparison.



2) Which fraction below is closest to zero?

$$\frac{1}{5}$$
,  $-\frac{1}{9}$ ,  $-\frac{2}{3}$ ,  $\frac{1}{8}$ 

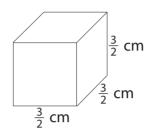
Write It!

Explain your reasoning.

Explain It!

## **SIDE TRIPS**

1) Chris wants to find the volume of the cube below. He knows that he needs to multiply the length times the width times the height.



Show Chris how to write an expression with an exponent to solve this problem. Then find the answer as a mixed number.

Write It!

Compute It!

2) Geraldo made a mistake in the work below.



Explain Geraldo's mistake.

Explain It!

Solve the problem correctly.

Compute It!