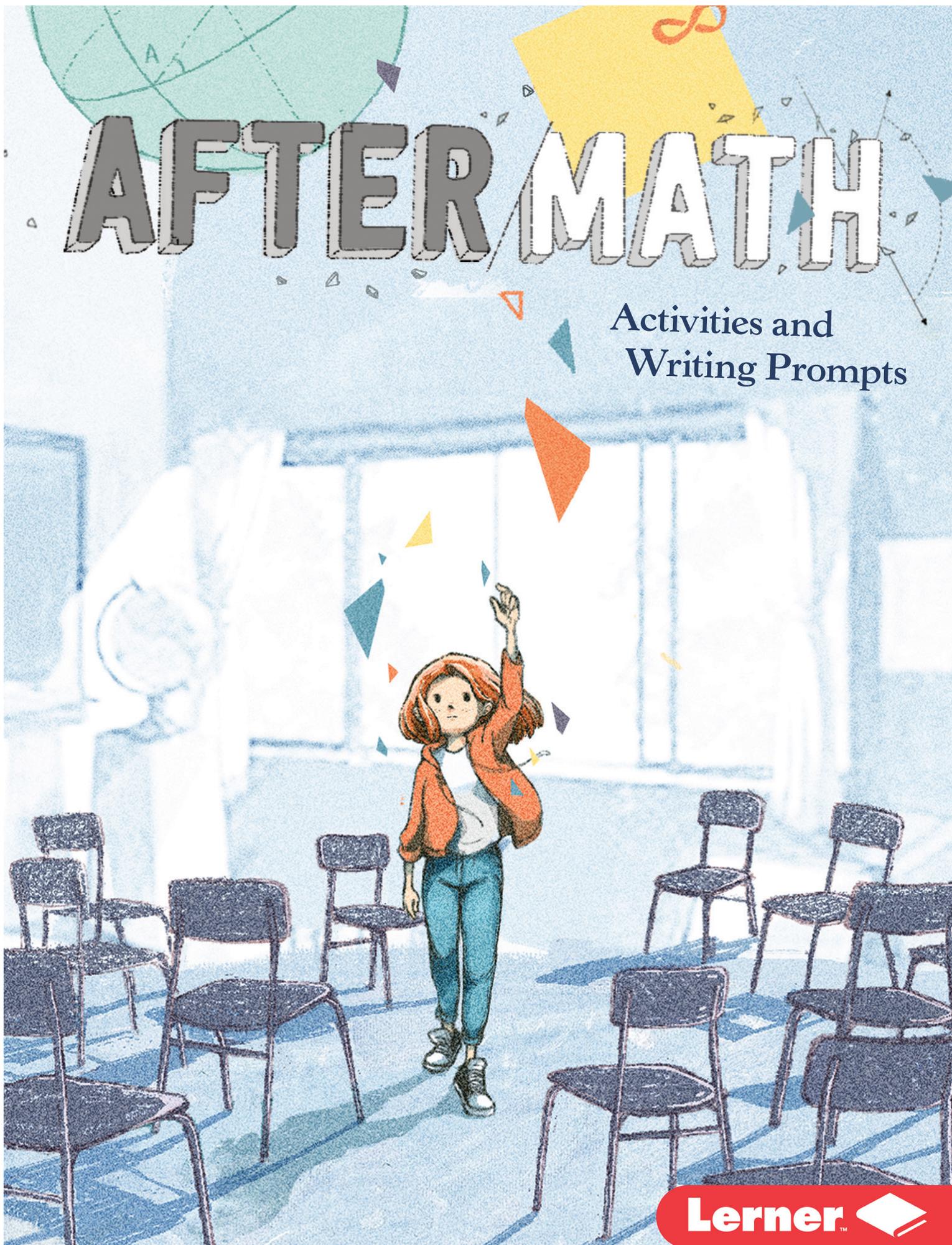


# AFTER MATH

Activities and  
Writing Prompts



# Writing Prompts

Imagine you are Mara. You're asked to be the student guide for Lucy, the new kid at school. Write out some things you would say to Lucy. What would you want her to know? How would you describe your school to Lucy?

Write a page of Avery's diary after the very first mime class. What would she want to write down to remember? How might she be feeling?

Write a scene between Lucy's mom and Avery's mom meeting for the first time. What do you think they would talk about?

Write a scene between Dave and Ethan, the boys from the bus stop, either after their first time meeting Lucy or before deciding to attend the mime performance.

Write a letter to one of the characters in the book, dead or alive. What would you want to ask them? What might you tell them?

# Math with Lucy

C E Q H L K Y Y V M T Y U K G I J R E R Z Y E R A N W R E Z  
I D U T A W H A D J X E R N L Z D U E O I R R A Y I U M Y R  
R Q A U D K R T Z S K A Y O L G I T B G E J D V O P I Y U C  
C E D A B I M E W R S A D F T G O A R H E D Z W S R G V G S  
U I R G A S E L E C S O S I J C Z D P A J T Y Q P G O H H E  
M X I B O D T Y C C K B I I I K E S I U N D N T M G F D N T  
F E L N Z V B T Q W P C Z W R P P J I M E S I I W E X N D A  
E E A E P Z M G N S Q B S X Y E A E A E E N V A I T K K T N  
R Q T I N N E Z F L B J K T C M R C L R S N C E M U N A M I  
E K E L L E U I D E V O H Y V U T G R N T P S Q R E T R X D  
N J R A U B L E P A R A L L E L N N B D X C G I G S T C R R  
C J A N X H L A R E G E T N I A J I D U M F W A O G A E I O  
E H L Z L I V E C O G N I T C E S R E T N I T U A N P L R O  
W Y I C K P S N R S M N O R D E H Y L O P I K S B A S O Y C  
R P N A V W T E G Y I S R Y C D T H Q R V Z K L S T G R T P  
N H I K K A A T C Z G P G T E O R A W E W O R W O N H W R G  
W R T O D N W H Z I Y O W A U Q M A I V E E N S L B T Z Z E  
A X N E H R B J H S T A T I S T I C S U X M M E U L M K X T  
U L X C G E S S C O U K N X H R D I A M E T E R T W G T A O  
Y F C K Q K P K C N N V M Y X V X Z Q N T B A Q E C I Y I L

Find the word in the puzzle. Words can go in any direction. Words can share letters as they cross over each other.

absolute

axis

coordinates

dimensions

intersecting

parallel

prime

ray

statistics

trapezoid

angle

bisect

diameter

integer

isosceles

pi

Pythagorean

scalene

trajectory

variable

arc

circumference

diameter

integer

negative

polyhedron

quadrilateral

sphere

transversal

# New Vocabulary from AfterMath

C E Q H L K Y Y V M T Y U K G I J R E R Z Y E R A N W R E  
I D U T A W H A D J X E R N L Z D U E O I R R A Y I U M Y  
R Q A U D K R T Z S K A Y O L G I T B G E J D V O P I Y U  
C E D A B I M E W R S A D F T G O A R H E D Z W S R G V G  
U I R G A S E L E C S O S I J C Z D P A J T Y Q P G O H H  
M X I B O D T Y C C K B I I I K E S I U N D N T M G F D N  
F E L N Z V B T Q W P C Z W R P P J I M E S I I W E X N D  
E E A E P Z M G N S Q B S X Y E A E A E E N V A I T K K T  
R Q T I N N E Z F L B J K T C M R C L R S N C E M U N A M  
E K E L L E U I D E V O H Y V U T G R N T P S Q R E T R X  
N J R A U B L E P A R A L L E L N N B D X C G I G S T C R  
C J A N X H L A R E G E T N I A J I D U M F W A O G A E I  
E H L Z L I V E C O G N I T C E S R E T N I T U A N P L R  
W Y I C K P S N R S M N O R D E H Y L O P I K S B A S O Y  
R P N A V W T E G Y I S R Y C D T H Q R V Z K L S T G R T  
N H I K K A A T C Z G P G T E O R A W E W O R W O N H W R  
W R T O D N W H Z I Y O W A U Q M A I V E E N S L B T Z Z  
A X N E H R B J H S T A T I S T I C S U X M M E U L M K X  
U L X C G E S S C O U K N X H R D I A M E T E R T W G T A  
Y F C K Q K P K C N N V M Y X V X Z Q N T B A Q E C I Y I

Find the word in the puzzle. Words can go in any direction. Words can share letters as they cross over each other.

alluding

deterioration

gladiator

intricate

miniscule

mundane

perennials

prop

punctured

syllabus

anticipated

dynamic

improbable

magnitude

moot

orientation

persecuted

proverbial

replica

teeming

demolished

estranged

insurance

mesmerizing

mortified

paradox

predetermined

PTSD

rhetorical

upholstered

# Math Concepts from the Book to Discuss

**Lucy's love of math helps her cope with the loss of her brother and to understand the changing world around her. Below are some of the math concepts introduced by the book. Read the section in which the concept is first introduced and discuss how it influences Lucy's life. Draw diagrams illustrating each theory.**

Zeno's Paradox (p. 35-37): A paradox in which a person tries to move from point A to point B. First, they must move halfway, then halfway again, and again, and again. As the person always moves halfway, there will always be a small distance remaining, and the goal would never actually be reached.

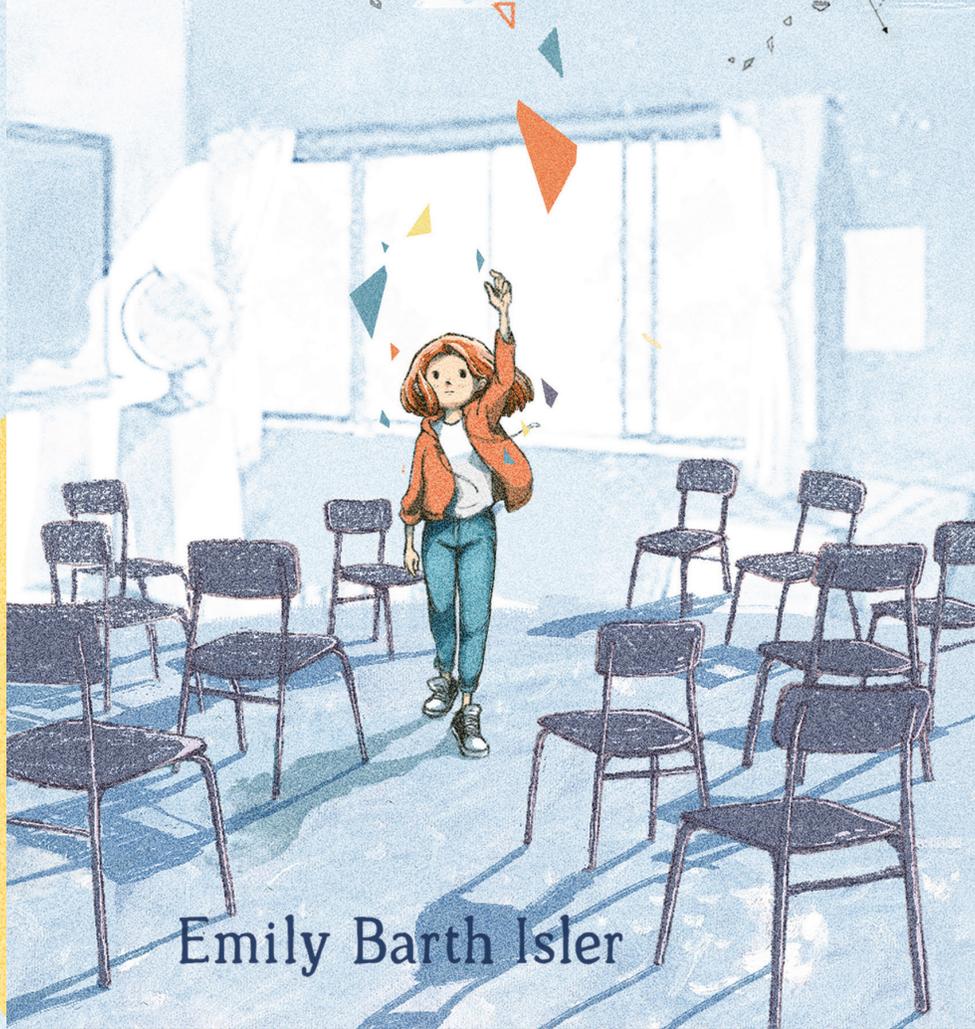
Transitive property of equality (relating to friendship on p. 111; relating to guns and kindness on p. 163): A property which states that if two things that are equal to each other and the second thing is equal to a third thing, then the first thing is also equal to the third thing.

A square is a rectangle, but a rectangle is not a square (p. 160-161): A square is closed two-dimensional shape with four sides of equal lengths and four right angles. A rectangle is a closed two-dimensional shape with four straight sides and four right angles. A square is a rectangle because it does have four straight sides and four right angles, but a rectangle cannot be a square because it does not have four sides of equal length.

Anything multiplied by zero is zero (p. 155-156, p. 197-199): To multiply something by zero means you are effectively taking nothing X amount of times.

**Share your classroom activities with *AfterMath* author Emily Barth Isler by tagging @EmilyBarthIsler on Twitter or Instagram! Use the hashtags #AfterMath and #FindInfinity to join the conversation!**

# AFTER MATH



Emily Barth Isler

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**Emily Barth Isler** lives in Los Angeles, California, with her husband and their two kids. A former child actress, she has performed all over the world in theatre, film, and TV. In addition to books, Emily writes about sustainable, eco-friendly beauty and skincare, and has also written web sitcoms, parenting columns, and personal essays. She has a B.A. in Film Studies from Wesleyan University, and really, really loves television. Find her at [www.emilybarthisler.com](http://www.emilybarthisler.com)

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**Lerner**