Illustrated by Laura Watson Written by Joey Benun PEDBLES

and the

BIGGEST NUMBER



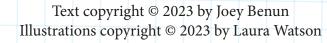


DISCOVER LOTS
OF FUN FACTS!



Which planet could fit 1,000 Earths?

BIG thanks to everyone who supported me in bringing this book to life. I especially would like to thank my illustrator, Laura Watson; my designers, Stephanie Drake and Lauren Gallegos; my editor in chief, Brooke Vitale; my editors, Deborah Sosin, Jan Copeman, Jenna Campbell, Rachel Beckett, and Robin Schroffel; my fact checkers, Stephanie Batalis, PhD, and Matthew I. Harvey; my niece and nephews; and of course, my mom and dad.



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First edition January 2023

Hardback ISBN: 978-1-7378186-0-1 Paperback ISBN: 978-1-7378186-1-8

Book design by Stephanie Drake Edited by Brooke Vitale Printed in China



biggestnumber.com

How many insects live on Earth?









MEET PEBBLES THE

What's the next big number after a trillion? 1,000,000,000,000

#### FACTS ON THE FLY

Each page includes bonus facts about the amazing things Pebbles discovers. Read them alongside the story, or save them for later!



Then, after the story:

#### DIG DEEPER

Explore new words with Pebbles and his friends.

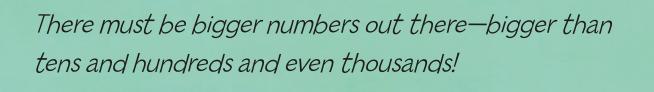


Picture how big these numbers really are by imagining them as grains of sand.



Discover more facts, play games, and meet the author at biggestnumber.com.





But what's the BIGGEST number?

Pebbles set off to find out.

## NUMBER NOTE

1 thousand has three zeros.

It looks like this:

1,000

# SCIENCE SPOT

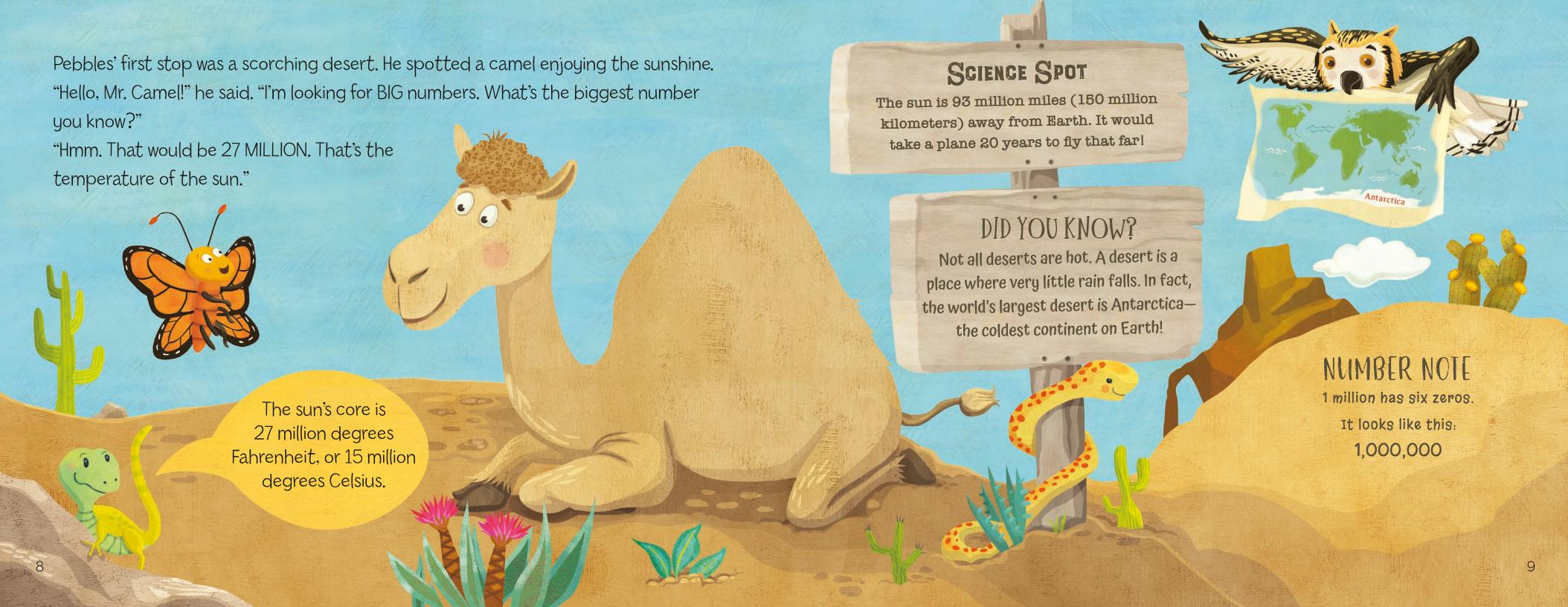
Imagine if you could see in front of you and behind you at the same time. Butterflies can because they have thousands of lenses in each eye! We have only one lens per eye.

# DID YOU KNOW?

A butterfly's lenses

Butterflies have taste sensors on their feet. Aren't you glad your feet can't taste your socks?

Yuck!









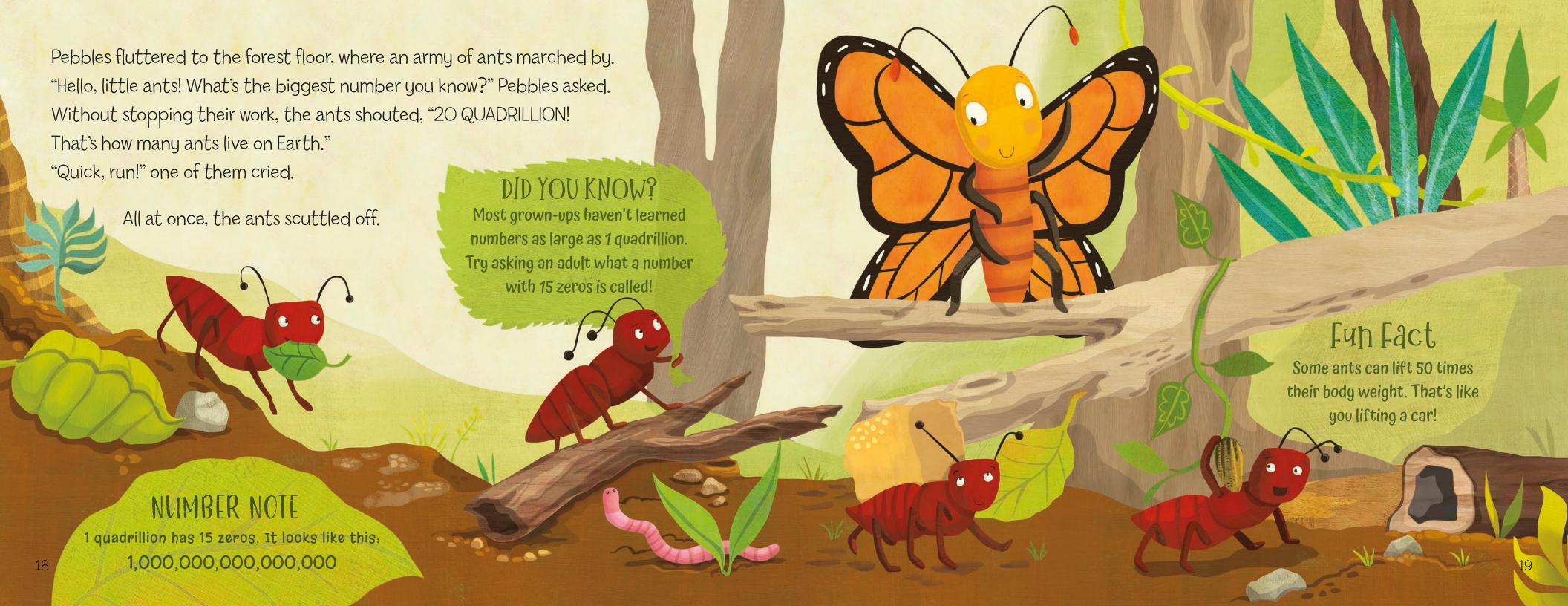
a school gym in one hop.

14

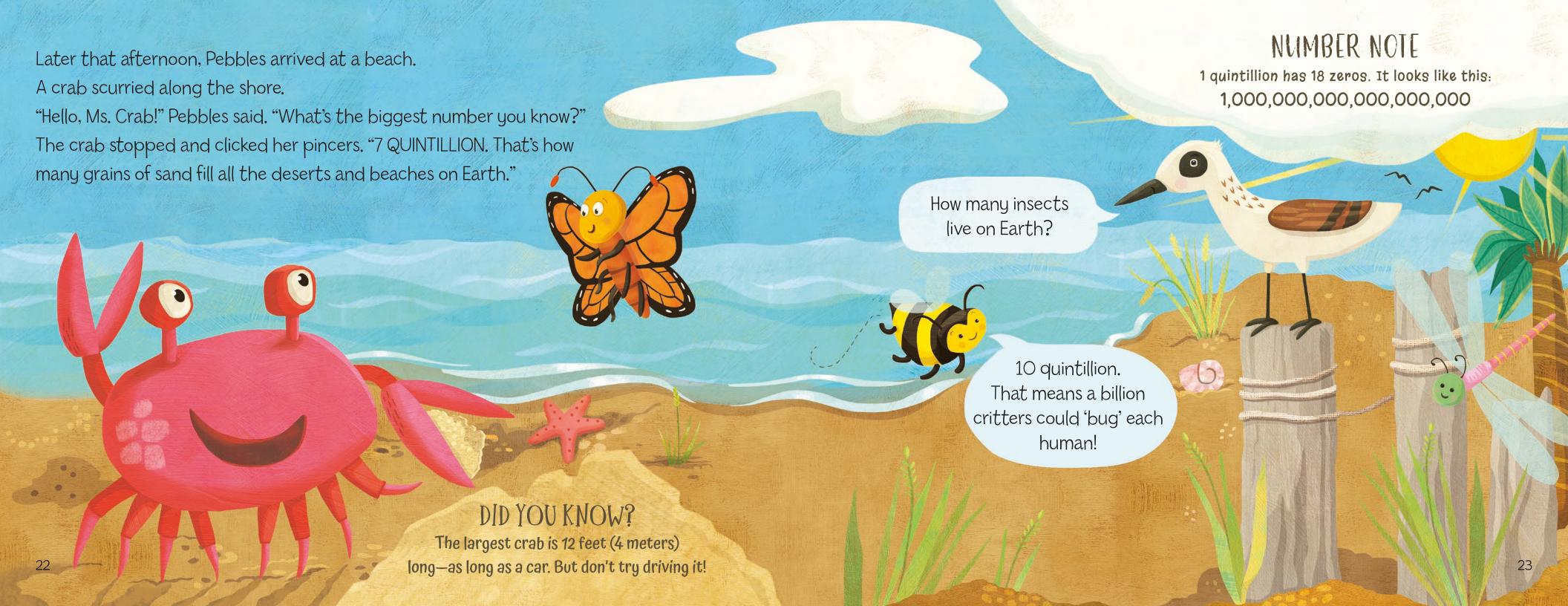
California. It's more than 4,800 years old! 15

The oldest living tree is a bristlecone pine in



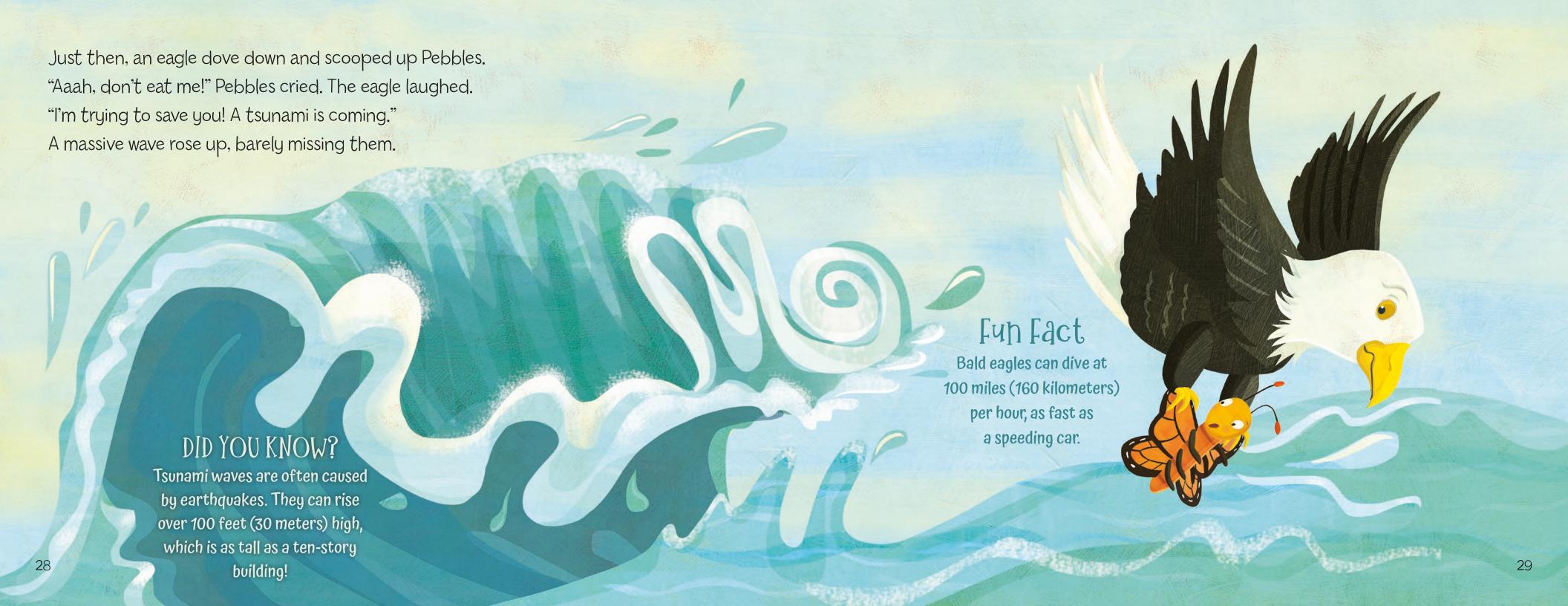














Pebbles and the eagle flew all night.

At sunrise, they landed on a snowy mountain.

While the eagle rested, Pebbles spied a frolicking dog.

"Hello, Mr. Dog! Tell me, what's the biggest number you know?"

"3 OCTILLION!" the dog barked, wagging his tail.

"That's how many atoms make up my body!"

Roughly 7 octillion atoms make up my body.



#### SCIENCE SPOT

Malamute dogs live in freezing climates. Their thick fur coat keeps them warm and dry. Some adult malamutes can withstand temperatures as low as -76 degrees Fahrenheit (-60 degrees Celsius). Brrr!



#### NUMBER NOTE

1 octillion has 27 zeros. It looks like this: 1,000,000,000,000,000,000,000,000

"So, dogs are made of atoms?" asked Pebbles.

"Not just dogs—EVERYTHING is made of atoms," the dog replied.

"Butterflies, clouds, even this mountain!"

Suddenly, the mountain rumbled. "Oh no!" the dog howled.

Mounds of snow hurtled toward Pebbles and his new friend.



Avalanches are often caused by skiers, snowmobilers, and even animals disturbing the snow.



"Hey, boy! You're safe," the scientist said to the dog.

"And you brought a friend!"

"Hello, Ms. Scientist!" Pebbles said. "You must be wise.

Tell me, what's the biggest number you know?"

The scientist didn't speak butterfly, so she continued working. "Hey, David!" she said to her lab partner.

"Did you know that 5 NONILLION

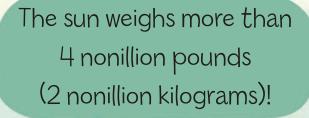
bacteria live on Earth?"



"Yes!" David said. "And did you know we need even bigger numbers to count things in space?"

"Oooh, space!" Pebbles said.

"I bet that's where I'll find the biggest number!"





### SCIENCE SPOT

Bacteria live all around us, even in our bodies. Good bacteria help us break down the foods we eat, while bad bacteria can make us sick.



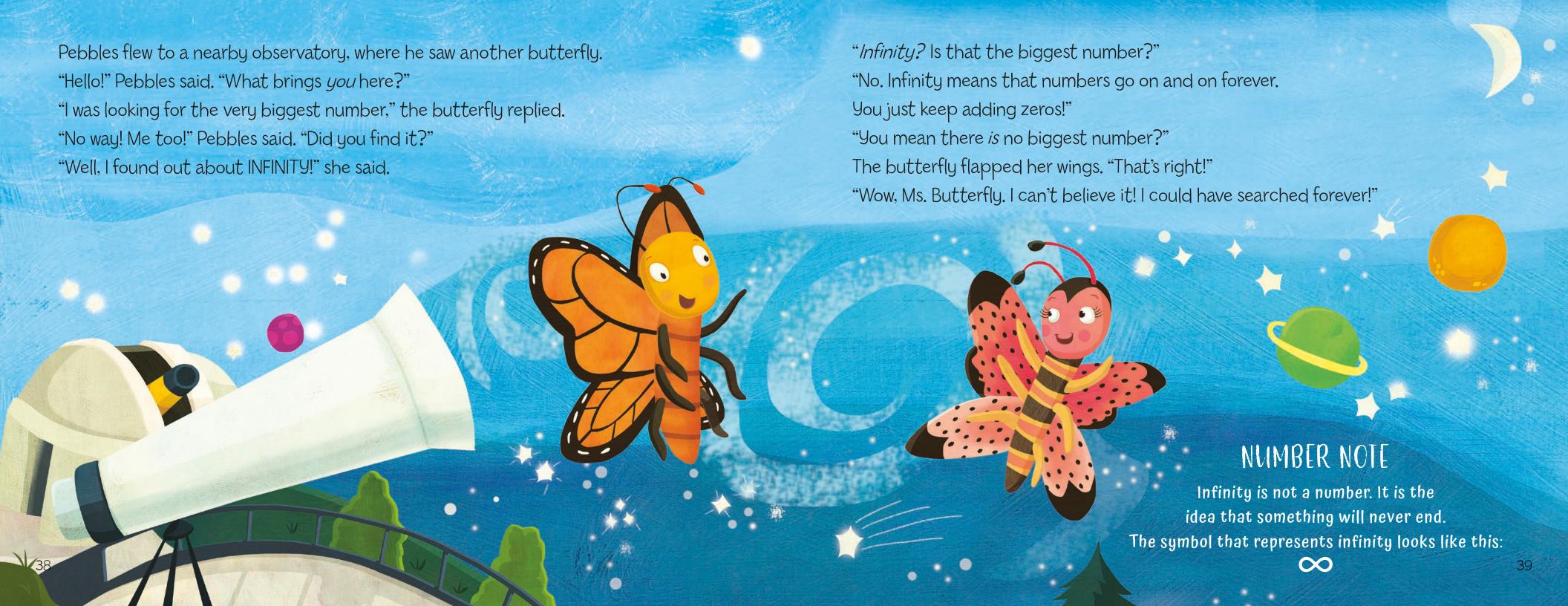
1 nonillion has 30 zeros. It looks like this: 1,000,000,000,000,000,000,000,000,000

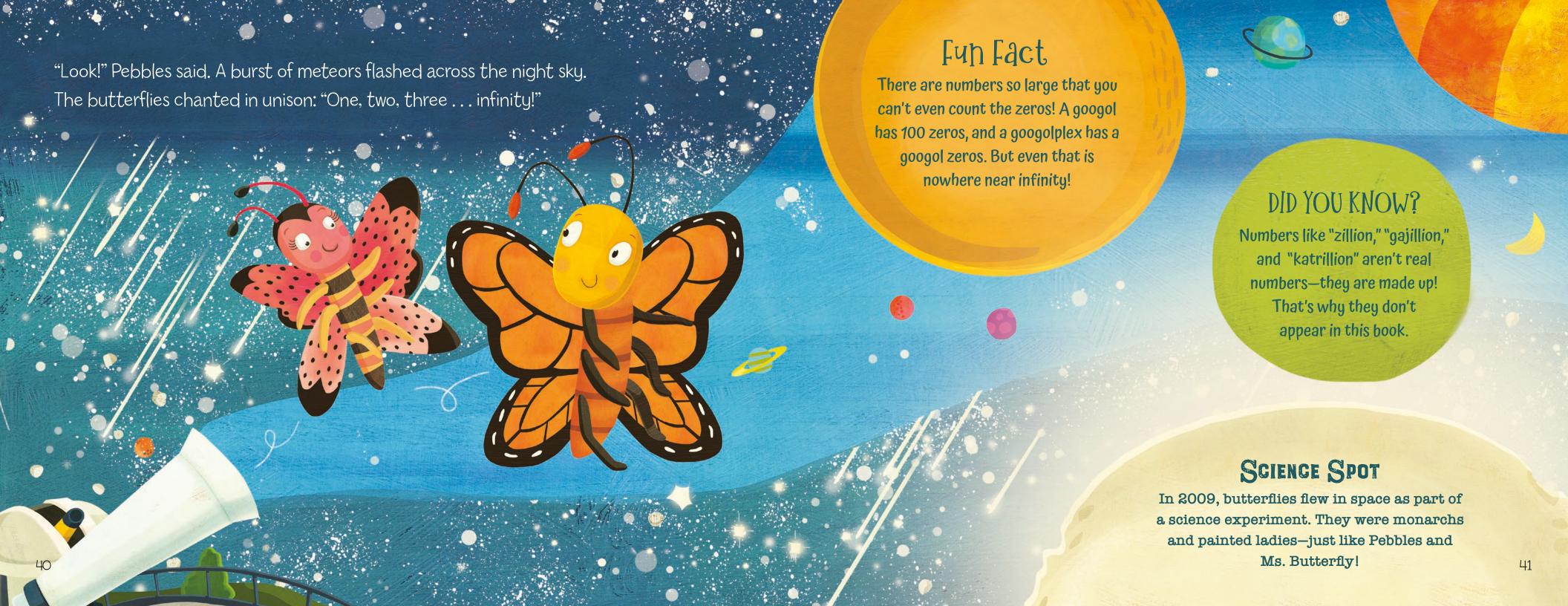
## Fun Fact

Space has *space* for some huge numbers.

More than 1,000 Earths could fit inside the planet Jupiter. Nearly 1,000 Jupiters could fit inside the sun. And billions of suns could fit inside some of the galaxy's largest stars! 37









Check out all these great words I learned on my journey!



Atom: the ting building block that makes up everything around us

Atoms are a LOT smaller than we are!



Avalanche: large amounts of snow and ice (or dirt and rocks) that suddenly slide down a mountain Whoops! Did I start that?





Celsius and Fahrenheit? I measure temperature in hot and hotter!



Earthquake: a sudden, violent shaking of the ground resulting from volcanic action or movements within the earth's crust

It's easier to stay standing during an earthquake when you have 10 legs!



Hurricane: a large and powerful storm with strong winds

I don't like hurricanes. They really ruffle my feathers!



Laboratory: a place where scientists do experiments and research What's a butterfly doing up here in the cold?

Let me research that!



Nectar: a sweet liquid produced by plants

Nectar is my favorite drink! It really hits the sweet spot.



Observatory: a building with a gigantic telescope that lets you see into space

The observatory helps me keep an eye on the sky.



Predator: an animal that eats other animals to live Frogs eat insects. I'd never eat Pebbles, though. He's my friend!



Tsunami: massive waves caused by underwater earthquakes
Tsunamis aren't so bad if you're swimming deep in the ocean.
But when they hit the shore, look out!



Volt: a unit to measure electricity

People are shocked by how many volts I can produce!

# DIG DEEPER: NUMBERS

DCCPCK: NUITBCKS	
1 thousand	1,000
	A thumbprint of wet sand contains around 1 thousand grains.
1 million	1,000,000
399	A tennis ball made out of sand would contain around  1 million grains.
1 billion	1,000,000,000
	A large sandcastle contains around 1 billion grains.
1 trillion	1,000,000,000
The control of the co	A large classroom filled with sand would contain around  1 trillion grains.
1 quadrillion	1,000,000,000,000
	15 floors of the Empire State Building filled with sand would

contain around 1 quadrillion grains.



1 quintillion 1,000,000,000,000,000 125 Empire State Buildings made of sand would contain around 1 quintillion grains. 1 sextillion 1,000,000,000,000,000,000 New York State covered with a layer of sand as thick as three mattresses would contain around 1 sextillion grains. 1 septillion 1,000,000,000,000,000,000,000 The United States covered with a layer of sand as high as the giant letters of the HOLLYWOOD sign would contain around 1 septillion grains. 1 octillion 1,000,000,000,000,000,000,000,000 Earth's land covered with a layer of sand as high as the world's tallest building would contain around 1 octillion grains. 1 nonillion 1,000,000,000,000,000,000,000,000,000 Earth's core filled with sand would contain around 1 nonillion grains.



#### ABOUT THE AUTHOR

Joey Benun has always thought BIG. His fascination with numbers began when he was five years old—the bigger, the better. Years later, a fortuitous conversation with his niece and nephews inspired him to write a book about BIG numbers for little kids. Thus, *Pebbles and the Biggest Number* was born! Years before Pebbles took flight, nine-year-old Joey wrote his first comic book series about a disgruntled ketchup packet who resents being discarded and turns into *The Ketchup Monster*.

Today, Joey works and lives in Brooklyn, New York, as an Amazon account manager for his family-owned apparel business, The Bentex Group. During his free time, he enjoys engaging in religious studies, listening to TED Talks, and playing tennis.



#### ABOUT THE ILLUSTRATOR

Growing up, Laura Watson loved to draw, paint, and craft. This led her to study art and illustration at York University and Sheridan College, respectively. Today, Laura creates lighthearted and whimsical illustrations for children's books, magazines, and various other platforms. Known for her work with bright, textured swatches of color, she uses a digitally compiled method that looks fresh and hand-painted. Laura lives and works in Toronto, Canada, with her husband, teenage daughter, and a big orange dog named Red.

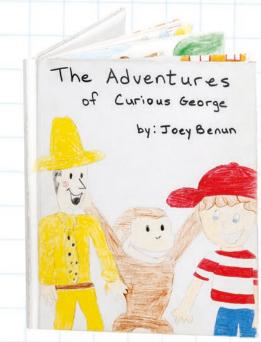
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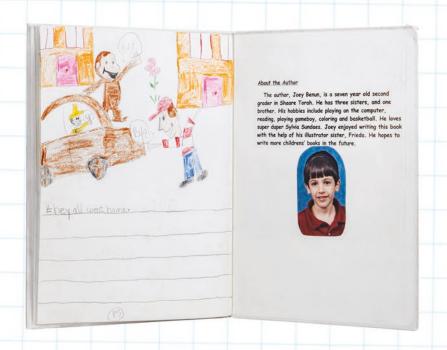
#### DEDICATION

I dedicate this book to my second-grade teacher, Mrs. Ziona Katzman.

She always encouraged us to write, whether it was letters to the city council, companies we admired, or our fellow classmates. But my favorite project was writing my first picture book. That book was about another curious character, Curious George. Fifteen years later, the excitement I felt then hasn't faded.

Thanks for inspiring me to become an author. I hope this book inspires every reader to think BIG and realize BIG things happen when you put your mind to it.







What's the biggest number you know?



#### What's the BIGGEST number?

Pebbles the butterfly wants to know! He travels the world in search of the answer, asking every animal he meets.

Along the way, he must escape an earthquake, outrun an avalanche, and fly over a tsunami. Luckily, his new friends are there to lend him a hand . . . or a paw.

Will Pebbles ever find the biggest number? Flutter in and find out!

15°

10 quintillion

20 quadrillion

27 million



