

Picture Books

1 2 3 who's cleaning the sea? : a counting picture book about protecting our planet

40045 BK
P 2019

Janina Rossiter.
"Inspired by...visuals of ocean pollution, this book will teach your child not only numbers and how to count but also the importance of taking care of our environment. Children will [learn] how little changes they make can protect our planet."
-OCLC.

Environmental protection; Marine animals; Marine pollution; Counting; Ocean-Environmental aspects

365 penguins

39820 BK
P 48 p. 2006 Abrams Books for Young Readers

Jean-Luc Fromental ; illustrated by Joëlle Jolivet.

When a box containing a penguin arrives anonymously on New Year's Day, a family of four is puzzled, and as they continue to receive one penguin a day throughout the year, their problems—and food budget, and storage issues—multiply.

Arithmetic-Fiction; Counting-Fiction; Gifts-Fiction; Penguins-Fiction; Jolivet, Joëlle,-illustrator

Balance the birds

38226 BK
PJ 2018

Susie Ghahremani.
"When birds spot a tree and decide to land to give their tired wings a break, it is up to the reader to help them find the perfect balance on the tree"-OCLC.

Birds-Fiction; Logic-Fiction; Size-Fiction; Weight-Fiction

Bean thirteen

38231 BK
PI 2007

Matthew McElligott.
Two bugs, Ralph and Flora, try to divide thirteen beans so that the unlucky thirteenth bean disappears, but they soon discover that the math is not so easy.

Division-Fiction; Insects-Fiction; Mathematics

Beep beep, vroom vroom!

38207 BK
P 33 p. 2000 Harper Collins
by Stuart J. Murphy ; illustrated by Chris Demarest.

MathStart. Level 1 Series - Teaches readers how to recognize patterns through a story about Molly, who loves to play with her big brother's toy cars.

Automobiles; Sequences (Mathematics); Demarest, Chris L.,-ill

Betcha!

38225 BK
P 32 p. 1997 HarperCollins Publishers

by Stuart J. Murphy ; illustrated by S.D. Schindler.
MathStart. Level 3 Series - Uses a dialog between two friends, one who estimates, one who counts precisely, to show estimation at work in everyday life.

Approximate computation; Mathematics; Schindler, S. D.,-ill

A chair for my mother

38689 BK
PJ 1982 Scholastic Inc.
by Vera B. Williams.

A child, her waitress mother, and her grandmother save dimes to buy a comfortable armchair after all their furniture is lost in a fire. (E)

Chairs-Fiction; Family life-Fiction; Saving and investment-Fiction

Circles

38228 BK
PI 2016

by David A. Adler ; illustrated by Edward Miller.

"The characteristics of circles as well as how to find the radius, diameter, circumference, and area of a circle are explained and illustrated in this geometry picture book"-Provided by publisher.

Circle; Geometry; Solid geometry; Miller, Edward,-1964-illustrator

Count to 100

38209 BK
P 2016

illustrated by Sophia Touliatou ; written by Felicity Brooks ; designed by Claire Ever.

Counting to 100 becomes effortless with breath-taking pictures to illustrate the number on each page.

Board books for children; Counting; Counting-Pictorial works; Touliatou, Sophia,-illustrator

Counting on Frank

39939 BK
PI 1991

written and illustrated by Rod Clement.

A boy and his dog present amusing counting, size comparison, and mathematical facts.

Counting-Fiction; Mathematics-Fiction; Size-Fiction

Counting on zero

33753 BK
2007 Scholastic Book Fairs
written and illustrated by students from Highfield Junior School, Toronto, Ontario.

Crash! Boom! : a math tale

38237 BK
PI 2018

Robie H. Harris ; illustrated by Chris Chatterton.

"Build, balance, count - question, estimate, measure - predict, crash, and build again with Elephant and a bucket full of blocks. Follow along as Elephant goes through the ups and downs of creating something new and finally celebrates the job of pride and success"-Dust jacket.

Blocks (Toys)-Fiction; Counting-Fiction; Elephants-Fiction; Mathematics-Fiction; Chatterton, Chris,-illustrator

Equal shmequal

38202 BK
P 32 p. 2005 Charlesbridge

by Virginia Kroll ; illustrated by Philomena O'Neill.

In order to have fun at a game of tug-of-war, forest animals balance the teams by using a see-saw.

Equations-Fiction; Forest animals-Fiction; Mathematics-Fiction; O'Neill, Philomena,-ill

Fibonacci Zoo

38239 BK
PI 2015

by Tom Robinson ; illustrated by Christina Wald.

When Eli and his father visit an unusual zoo, Eli keeps track of the numbers of animals and soon sees there is a pattern that will predict how many creatures are in the next exhibit. Includes an activity and facts about number sequences.

Fibonacci numbers; Number theory; Sequences (Mathematics); Zoos-Fiction; Wald, Christina,-illustrator

Five creatures

38200 BK
P 2005 Farrar, Straus and Giroux

Emily Jenkins ; pictures by Tomek Bogacki.

In words and pictures, a girl describes the three humans and two cats that live in her house, and details some of the traits that they share.

Cats-Fiction; Family life-Fiction; Bogacki, Tomasz,-ill

Fraction action

38224 BK
P 31 p. 1994 Holiday House

written and illustrated by Loreen Leedy.

Miss Prime and her animal students explore fractions by finding many examples in the world around them.

Fractions

Picture Books

Greater estimations

38519 BK
PJ 2016
Bruce Goldstone.
Presents techniques for making reasonably accurate estimations of high quantities of items or vast ranges of measurement. Uses creative examples for building the skill of guessing lengths, volumes, and area.
Approximate computation;
Arithmetic; Arithmetic–Pictorial works; Mathematics–Pictorial works

The greedy triangle

33752 BK
1994 Scholastic
Written by Marilyn Burn ; illustrated by Gordon Silveria.
Dissatisfied with its shape, a triangle keeps asking the local shapeshifter to add more lines and angles until it doesn't know which side is up.
Self-acceptance–Fiction;
Shape–Fiction

Growing patterns : fibonacci numbers in nature

38204 BK
PI 32 p. 2010 Boyds Mills Press
Sarah C. Campbell ; photographs by Sarah C. Campbell and Richard P. Campbell.
Text and photographs provide a simple introduction to Fibonacci numbers in nature. Includes background information about Fibonacci numbers and a glossary.
Fibonacci numbers; Nature–Pictorial works; Patterns (Mathematics); Campbell, Richard P.,–ill

How big is a foot?

39810 BK
PJ 1990 Yearling
written and illustrated by Rolf Myller.
An apprentice carpenter gets thrown into jail when the bed he builds for the Queen's birthday is too small. He soon solves the problem and is made a royal prince.
Apprentices–Fiction; Beds–Fiction; Size–Fiction

How high is the sky

39830 BK
P 2009
Anna Milbourne ; illustrated by Serena Riglietti ; designed by Laura Wood.
This is a picture book that introduces the concepts of size and scale. Pipkin, the inquisitive penguin, wants to know how high the sky is and so, with a friendly albatross, a hot-air balloonist, and an astronaut in a space rocket he goes all the way to the moon. There he discovers that the sky is still too high for him to reach; however, he feels happy to have found his answer.
Outer space–Fiction; Penguins–Fiction; Size–Fiction; Sky–Fiction; Riglietti, Serena,–illustrator

How much is a million?

38578 BK
P 1993
by David M. Schwartz ; pictures by Steven Kellogg.
Text and pictures try to make possible the conceptualization of the numbers a million, a billion, and a trillion.
Billion (The number); Million (The number); Number concept; Trillion (The number); Kellogg, Steven,–illustrator

How tall, how short, how faraway

39815 BK
PI 1999 Holiday House
David A. Adler ; illustrated by Nancy Tobin.
Introduces several measuring systems -such as the Egyptian system, the inch-pound system, and the metric system.
Measurement; Tobin, Nancy,–ill

Hueys

For descriptions see individual titles:
The Hueys in None the number [38938]

The Hueys in None the number

38938 BK
2015
Oliver Jeffers.
Hueys Series - One of the Hueys tries to explain the concept of "none" to another by finding different numbers of items, one through ten, then taking them all away.
Counting–Fiction; Number concept–Fiction; Zero (The number)–Fiction

A hundred billion trillion stars

38229 BK
PI 2017
by Seth Fishman ; illustrated by Isabel Greenberg.
"A look at the numbers that surround us, big and small, on earth and in outer space."
Mathematics–Miscellanea; Number concept; Numbers–Miscellanea; Greenberg, Isabel,–illustrators

I know numbers!

38233 BK
P 2017
Taro Gomi.
"A picture book that introduces the concept of numbers, and different ways that numbers are used in the world"
Counting; Number concept

I see a pattern here

38208 BK
PJ 2015
Bruce Goldstone.
"Patterns are fascinating! They can be so beautiful that people come from all over the world to see them, or so familiar you hardly notice them. They appear everywhere: beehives, dinner plates, even the bottoms of your shoes! With photographs that show diverse examples from nature and artwork around the world, Bruce Goldstone reveals the secrets behind patterns—and gives you some fun ideas for making your own"—Provided by publisher.
Pattern perception; Patterns (Mathematics)

If... : a mind-bending new way of looking at big ideas and numbers

36361 BK
PI 2014
written by David J. Smith ; illustrated by Steve Adams.
Presents and illustrates a number of interesting concepts in a scaled-down manner that humans can relate to. Includes time lines (the history of Earth compressed into one year), to quantities (all the wealth in the world divided into one hundred coins), to size differences (the planets shown as different types of balls), and more.
Astronomy–Miscellanea; Natural history–Miscellanea; Natural resources–Miscellanea; Population–Miscellanea; World history–Miscellanea; Adams, Steve,–1967—illustrator

Inch by inch

39823 BK
PJ 1960
Leo Lionni.
To keep from being eaten, an inchworm measures a robin's tail, a flamingo's neck, a toucan's beak, a heron's legs, and a nightingale's song.
Birds–Fiction; Caterpillars–fiction; Size–Fiction

Jump, leap, count sheep! : a Canadian wildlife 123

38234 BK
P 2017
Geraldo Valério.
Celebrates the diverse wildlife of Canada by counting from one to ten with mammals, insects, birds, reptiles, or fish found in the Canadian wilderness.
Animals–Canada–Fiction; Counting

Picture Books

Length

40090 BK

P

2018

by Henry Pluckrose.

Math counts Series - "Explains to the reader about mathematical length"—Provided by publisher.

Measurement; Weights and measures

Let's estimate : a book about estimating and rounding numbers

38238 BK

PI

32 p.

2016

by David A. Adler ; illustrated by Edward Miller.

"This introduction to the mathematical estimating and rounding explains the difference between the two, their uses, and gives directions for estimating and rounding"—Provided by publisher.

Approximate computation; Mathematics; Numerical analysis; Miller, Edward,—1964—illustrator

Lifetime : the amazing numbers in animal lives

38358 BK

PI

by Lola M. Schaefer ; illustrated by Christopher Silas Neal.

A counting primer that combines contrasting illustrations with animal facts. Invites young children to count such things as a caribou's 10 sets of antlers, a woodpecker's 30 roosting holes, a giraffe's 200 spots, and maybe even 1000 baby seahorses! Provides additional information about each animal at the end of the book. Also discusses some basic mathematical skills.

Animals; Animals—Pictorial works; Counting; Life (Biology)—Miscellanea; Number concept; Number concept—Pictorial works; Neal, Christopher Silas,—illustrator

Math counts

For descriptions see individual titles:
Length [40090]

Math curse

20188 BK

1995

Viking

Jon Scieszka and Lane Smith.

Math fables

33773 BK

PJ

2004

Scholastic Press

by Greg Tang ; illustrated by Heather Cahoon.

A series of rhymes about animals introduces counting and grouping numbers, as well as examples of such behaviors as cooperation, friendship, and appreciation. (513.2/11)

Arithmetic; Conduct of life; Counting; Mathematics; Cahoon, Heather,—ill

MathStart. Level 1

For descriptions see individual titles:
Beep beep, vroom vroom! [38207]

MathStart. Level 2

For descriptions see individual titles:
Tally O'Malley [38240]

MathStart. Level 3

For descriptions see individual titles:
Betcha! [38225]

Measuring Penny

39826 BK

PI

1997

Holt

written and illustrated by Loreen Leedy.

Lisa learns about the mathematics of measuring by measuring her dog Penny with all sorts of units, including pounds, inches, dog biscuits, and cotton swabs.

Dogs—Fiction; Measurement—Fiction

Millions, Billions & Trillions : Understanding Big Numbers

40785 BK

PI

32 p.

2013

Holiday House

by David A. Adler ; illustrated by Edward Miller.

Simple text and illustrations explain the concepts of very large numbers.

Number concept; Counting; Numbers; Miller, Edward,—1964—illustrator

Minnie's diner : a multiplying menu

38199 BK

PJ

2004

Candlewick Press

Dayle Ann Dodds ; illustrated by John Manders.

Rhyming tale of five boys and their father who forget about their chores on the farm to enjoy Minnie's good cooking, each requesting double what the previous one ordered.

Farm life—Fiction; Father-son relationship—Fiction; Multiplication; Restaurants—Fiction; Stories in rhyme; Manders, John,—ill

My first maths

For descriptions see individual titles:
What shape is it? [38227]

Nunavummi reading series.

Level 9

For descriptions see individual titles:
Out on the ice [39971]

One

37361 BK

PI

2008

KO Kids Books

by Kathryn Otoshi.

Red picks on Blue while Yellow, Orange, Green, and Purple wonder what they can do until One unites the colors and helps everybody learn about acceptance, tolerance, and boundaries amidst bullying while the reader learns numbers and primary and secondary colors.

Bullies—Fiction; Color—Fiction; Counting; Personal awareness and social responsibility

One is a snail, ten is a crab : a counting by feet book

38201 BK

PI

2006

Candlewick Press

April Pulley Sayre and Jeff Sayre ; illustrated by Randy Cecil.

Introduces the numbers one through ten by looking at creatures with different numbers of feet, and includes counting by tens to one hundred.

Animals; Counting; Foot; Cecil, Randy,—ill; Sayre, Jeff,—1963-

Out on the ice

39971 BK

2016

written by Jenna Bailey-Sirko ; illustrated by Amanda Sandland.

Nunavummi reading series. Level 9 - Tyson and NeeVeeare so excited to go fishing with their parents. Infuses a family trip out on the ice with early numeracy skills of composing and decomposing numbers, quantity awareness and working with the part/part/whole relationship of numbers. Questions at the back of the book help reinforce the numeracy learning in the text.

Counting—Fiction; Ice fishing—Fiction; Inuit—Fiction; Mathematics—Fiction; Sandland, Amanda,—illustrator

The picnic problem : (math)

38242 BK

PI

2018

written by Jonathan Litton ; illustrated by Magal@U Mansilla.

STEAM stories Series - "Miss Add-It-Up is hosting a math picnic! But to find their way, Suzy and Max must solve a series of math puzzles. Will their math knowledge get them to the picnic for sandwiches and cake?"—Back cover.

Mathematics; Picnics—Fiction; Problem solving—Fiction; Puzzles—Fiction; Mansilla, Magalí,—illustrator

A place for Zero : a math adventure

33928 BK

P

32 p.

2003 Charlesbridge

Angeline Sparagna LoPresti ; illustrated by Phyllis Hornung.

As Zero searches to find his place, he learns of his additive and multiplicative identities, and then he establishes place value. (513)

Mathematics—Study and teaching; Number concept; Hornung, Phyllis,—ill

Prehistoric actual size

39811 BK

2005

by Steve Jenkins.

Provides facts especially about the sizes of various dinosaurs and other prehistoric animals.

Dinosaurs; Prehistoric animals; Size

Picture Books

A remainder of one

38205 BK
PI 1995 Houghton Mifflin
by Elinor J. Pinczes ; illustrated by
Bonnie MacKain.

When the queen of the bugs demands
that her army march in even lines,
Private Joe divides the marchers into
more and more lines so that he will
not be left out of the parade.

Division–Fiction; Insects–Fiction;
Stories in rhyme; MacKain,
Bonnie,—ill

Round

38235 BK
P 2017

written by Joyce Sidman ; illustrated
by Tae-eun Yoo.

"... invites readers to search their
worlds for round objects in nature...
shows why we love this shape best."

Geometry; Shape; Solid geometry;
Yoo, Tae-eun,—illustrator

Seeing symmetry

38206 BK
PIJ 32 p. 2012 Holiday House
written and illustrated by Loreen
Leedy.

This book introduces the concept of
symmetry and discusses how it
appears in the world. It uses natural
objects, man-made objects, and
geometric designs to illustrate
horizontal, vertical, and rotational
symmetry. It features brief text,
numerous illustrations, activities, and a
glossary.

Ratio and proportion; Symmetry
(Mathematics); Symmetry–Pictorial
works

Sir Cumference and the dragon of pi : a math adventure

38693 BK
PI 32 p. 1999 Charlesbridge
by Cindy Neuschwander ; illustrated
by Wayne Geehan.

Radius, son of Sir Cumference,
embarks on a quest to find the magic
number known as pi in order to
restore his father—who has been
turned into a dragon—to his original
shape.

Adventure fiction; Circle;
Mathematical recreations;
Mathematics; Pi; Geehan,
Wayne,—ill

Sir Cumference and the first round table : a math adventure

33767 BK
PIJ 32 p. 1997 Charlesbridge
Cindy Neuschwander ; illustrated by
Wayne Geehan.

A math adventure in which King
Arthur finds the perfect shape for his
table with the ideas of his wife and
son, and the assistance of his knight,
Sir Cumference.

Geometry; Shape; Geehan,
Wayne,—ill

Sir Cumference and the Great Knight of Angleland : a math adventure

33769 BK
PI 32 p. 2001 Charlesbridge
by Cindy Neuschwander ; illustrated
by Wayne Geehan.

To earn his knighthood, Radius must
find and rescue a missing king. His
father, Sir Cumference, and his
mother, Lady Di of Ameter, give him a
circular medallion, (a protractor), that
he uses to find his way through a
maze of many angles. (516)

Angles; Geometry; Mathematics;
Geehan, Wayne,—ill

Sir Cumference and the sword in the cone : a math adventure

38692 BK
PIJ 32 p. 2003 Charlesbridge
by Cindy Neuschwander ; illustrated
by Wayne Geehan.

Sir Cumference, Radius, and Sir
Vertex search for Edgecalibur, the
sword that King Arthur has hidden in a
geometric solid.

Adventure fiction; Geometry;
Mathematical recreations; Puzzles;
Geehan, Wayne,—ill

STEAM stories

For descriptions see individual titles:
The picnic problem : (math) [38242]

Tally O'Malley

38240 BK
PI 2004

by Stuart J. Murphy ; illustrated by
Cynthia Jabar.

MathStart. Level 2 Series - On a car
trip to the beach, the O'Malley family
children compete by playing games
together.

Addition; Counting; Jabar,
Cynthia,—illustrator

Ten black dots

38203 BK
PJ 1986 Greenwillow Books
Donald Crews.

A counting book which shows what
can be done with ten black dots—one
can make a sun, two a fox's eyes, or
eight the wheels of a train.

Counting; Stories in rhyme

Ten magic butterflies

38232 BK
PJ 2018
Danica McKellar ; illustrated by
Jennifer Bricking.

One by one, ten flowers ask a fairy to
turn them into butterflies for a night of
magical flying, demonstrating to
readers the different ways to group
numbers to create ten.

Arithmetic; Butterflies–Fiction;
Counting; Fairies–Fiction; Flowers–
Fiction; Magic–Fiction; Stories in
rhyme; Bricking, Jennifer,—illustrator

This book thinks you're a math genius

38243 BK
PI 2017

text by Georgia Amson-Bradshaw ;
illustrations by Harriet Russell.

"This fill-in book helps children to think
like mathematicians by introducing ...
key areas of math: geometry, space
and volume, statistics, numbers and
number patterns, codes and ciphers,
and the concept of infinity. Each
spread centers on an open-ended
question that introduces a key
mathematical concept and suggests
activities that engage the child in a fun
way. Activities include reading minds
with math, having a eureka moment,
and playing mathematical guess who.
The end of the book includes a
section of paper-based crafts"—OCLC.

Mathematics; Mathematics–
Problems, exercises, etc.; Russell,
Harriet,—1977—illustrator

Visual guide to math

38241 BK
PIJ 2018

written by Karen Wilding.

". . . a visual guide [to] basic math
operations, including counting,
measuring, and shapes"—OCLC.

Mathematics;
Mathematics–Pictorial works

What do you do with a problem?

37266 BK
PI 34 p. 2016

written by Kobi Yamada ; illustrated by
Mae Besom.

When a problem becomes too big
from worrying about it, a child decides
to face the problem and learns that
problems can make us stronger.

Applied design, skills and
technologies; Creative ability–
Fiction; Critical thinking; Personal
awareness and social
responsibility; Problem solving–
Fiction; Besom, Mae,—illustrator

What in the world? : numbers in nature

38236 BK
PI 2015

Nancy Raines Day ; illustrated by Kurt
Cyrus.

"A rhyming nonfiction picture book that
explores the numerical sets—one tail,
two paws, four legs, etc.—that occur
throughout the natural
world."—Provided by publisher.

Counting; Nature; Number concept;
Cyrus, Kurt,—illustrator

Picture Books

What shape is it?

38227 BK

PI

2017

Jackie Walter.

My first maths Series - "The shape of the moon, the shapes of the stones all around. Let's see what other shapes we can discover in nature"—Provided by publisher.

Easy reading materials; Geometry; Shape

What's your angle Pythagoras? : a math adventure

38691 BK

PI

2004

Charlesbridge

by Julie Ellis ; illustrated by Phyllis

Hornung.

In ancient Greece, young Pythagoras discovers a special number pattern (the Pythagorean theorem) and uses it to solve problems involving right triangles. This is a fictional story containing factual information on ratios and proportions.

Geometry; Geometry—Fiction; Pythagorean theorem; Pythagorean theorem—Fiction; Peacock, Phyllis Hornung,—ill; Pythagoras—Fiction

Which one doesn't belong? : a shapes book

38725 BK

PIJST

2016

Christopher Danielson.

This book asks you the same question for every page of shapes. Then, it suggests that every answer can be correct -based on perspective. Can you back up your answer with a reason? Some pages are more challenging than others; good luck! See also it's companion, "Which one doesn't belong? : a teacher's guide".

Geometry—Problems, exercises, etc; Geometry—Study and teaching; Shape—Problems, exercises, etc; Shape—Study and teaching; Accompanied by:—Danielson, Christopher.—Which one doesn't belong

Zero

38707 BK

P

2010

KO Kids Books

by Kathryn Otoshi.

Zero, dismayed by her big, empty, roundness, tries to force herself into the shape of the much-admired One, but must finally accept that she can only be Zero.

Counting; Courage—Fiction; Social skills—Fiction; Values—Fiction