

Math Books

For help finding any of these books, please visit the Reference Desk on the first floor.

Adding and Subtracting

Asch, Frank. **The Last Puppy.** (IMC CBC E As234i, 1981)

The last born of nine puppies worries that he will be the last chosen for a pet of a new owner.

Brimner, Larry Dane. **Rumble Bus.** (IMC CBC E B7705r 2006)

Passengers get on and off the bus, providing a lesson in addition and subtraction.

Gisler, David. **Addition Annie.** (IMC CBC E G4467a 2002)

Addition Annie counts everything around her, from trees and knees to little peas.

Ochiltree, Dianne. **Cats Add Up!** (IMC CBC E Oc33c 2006)

A family's collection of stray cats grows and grows until they must give some away. Includes related activities designed to strengthen addition and subtraction skills.

Penner, Lucille Recht. **Lights Out!** (IMC ON ORDER)

Hoping to be the last person awake, a young girl keeps count as one person after another turns out a light in the apartment building across from hers.

Reiser, Lynn. **Hardworking Puppies.** (IMC CBC E R2777h 2006)

One by one, ten energetic puppies find important jobs as dogs who help people in different ways, including by pulling sleds and saving swimmers.

Stickland, Paul. **Ten Terrible Dinosaurs.** (IMC CBC E St515t 2000)

A group of rollicking dinosaurs counts down from ten to one as it introduces subtraction to the reader.

Counting

Bang, Molly. **Ten, Nine, Eight.** (IMC CBC E B2247t)

Numbers from ten to one are part of this lullaby which observes the room of a little girl going to bed.

Barry, David. **Rajah's Rice.** (IMC CBC 398.22 B2798r 1994)

When Zandra, the official bather of the Rajah's elephants, saves them from serious illness, she exacts from the Rajah a reward more costly than he realizes.

Berenstain, Stanley and Janice. **Bears on Wheels.** (IMC CBC E B4526bo 2002)

An acrobatic act begins with one bear on a unicycle and ends with twenty-one bears and sixteen wheels flying through the air.

Burns, Marilyn. **Spaghetti and Meatballs For All!** (IMC CBC Fic B9383s 1997)

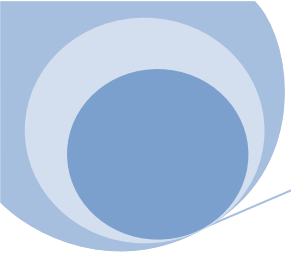
The seating for a family reunion gets complicated as people rearrange the tables and chairs to seat additional guests.

Carle, Eric. **1, 2, 3 to the Zoo.** (IMC CBC E C1923o 1988)

Each car on the train has one more zoo animal than the one before, from the first car with an elephant to the last with ten birds.

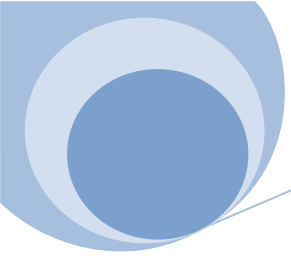
De Regniers, Beatrice Schenk. **So Many Cats!** (IMC CBC E D4444so 1985)

Counting verses explain how a family ended up with a dozen cats.



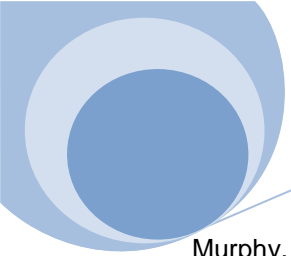
Math Books

- Ehlert, Lois. **Fish Eyes: A Book You Can Count On.** (IMC CBC E Eh567fi 2001)
A counting book depicting the colorful fish a child might see if he turned into a fish himself.
- Falwell, Cathryn. **A Feast for Ten.** (IMC CBC E F1996f 1993)
A family goes shopping and prepares food, always finding numbers of things from 1 to 10.
- Falwell, Cathryn. **Turtle Splash! Countdown at the Pond.** (IMC CBC E F1996t 2001)
As they are startled by the activities of other nearby creatures, the number of turtles on a log in a pond decreases from ten to one. Includes factual information about the animals mentioned in the story.
- Feelings, Muriel. **Moja Means One: A Swahili Counting Book.** (IMC CBC 390 F321m)
A book which counts from 1-10 in Swahili, and also through the rich illustrations introduces us to the culture of Africa.
- Friedman, Aileen. **The King's Commissioners.** (IMC CBC E F9142k 1994)
While trying to keep track of his many royal commissioners, the king learns some new ways of counting.
- Gag, Wanda. **Millions of Cats.** (IMC CBC E G1213m 1956)
How can an old man and his wife select one cat from a choice of millions and trillions?
- Gareth, Rod Clement. **Counting on Frank.** (IMC CBC 513.55 C5914c 1995)
The story of Frank who loves to calculate and solve problems, such as how many of his dogs would fit into his bedroom.
- Giganti, Paul. **Each Orange Had 8 Slices.** (IMC CBC 513.2 G3673e 1992)
An illustrated introduction to counting and simple addition.
- Giganti, Paul. **How Many Snails?** (IMC CBC E G3674h 1988)
A young child takes walks to different places and wonders about the amount and variety of things seen on the way.
- Haskins, Jim. **Count Your Way Through Africa.** (IMC CBC 960 H2736c 1989)
Uses the Swahili words for the numbers from one to ten to introduce the land, history, and culture of Africa.
- Haskins, Jim. **Count Your Way Through the Arab World.** (IMC CBC 909 H2736c 1987)
Uses Arabic numerals from one to ten to introduce concepts about Arab countries and Arab culture.
- Haskins, Jim. **Count Your Way Through Canada.** (IMC CBC 971 H2736c 1989)
Presents the numbers one to ten in French, using each number to introduce concepts about Canada and its culture.
- Haskins, Jim. **Count Your Way Through China.** (IMC CBC 951 H2736c 1987)
Presents the numbers one through ten in Chinese, using each number to introduce concepts about China and Chinese culture.
- Haskins, Jim. **Count Your Way Through Germany.** (IMC CBC 943 H2736c 1990)
Uses the numbers one through ten in German to introduce aspects of the history and culture of Germany.
- Haskins, Jim. **Count Your Way Through India.** (IMC CBC 954 H2736c 1990)
An introduction to the land and people of India accompanied by instructions on how to read and pronounce the numbers one through ten in Hindi.



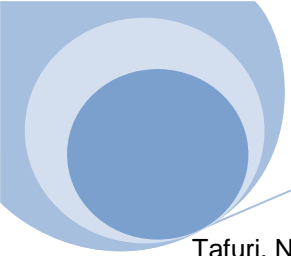
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- Haskins, Jim. **Count Your Way Through Israel.** (IMC CBC 956.94 H2736c 1990)
Uses the numbers one to ten (presented in both Arabic and Hebrew) to introduce the land and people of Israel.
- Haskins, Jim. **Count Your Way Through Italy.** (IMC CBC 945 H2736c 1990)
Uses the numbers one through ten in Italian to introduce aspects of the history and culture of Italy.
- Haskins, Jim. **Count Your Way Through Japan.** (IMC CBC 952 H2736c 1987)
Presents the numbers one to ten in Japanese, using each number to introduce concepts about Japan and its culture.
- Haskins, Jim. **Count Your Way Through Korea.** (IMC CBC 951.9 H2736c 1989)
Presents the numbers one to ten in Korean, using each number to introduce concepts about Korea and its culture.
- Haskins, Jim. **Count Your Way Through Mexico.** (IMC CBC 972 H2736c 1989)
Presents the numbers one to ten in Spanish, using each number to introduce concepts about Mexico and its culture.
- Haskins, Jim. **Count Your Way Through Russia.** (IMC CBC 947 H2736c 1987)
Presents the numbers one through ten in Russian, using each number to introduce concepts about the Soviet Union and Russian culture.
- Hoban, Tana. **26 Letters and 99 Cents.** (IMC CBC E H6519t 1987)
Color photographs of letters, numbers, coins, and common objects introduce the alphabet, coinage, and the counting system.
- Hutchins, Pat. **1 Hunter.** (IMC CBC E H9705o)
One hunter walks through the forest observed first by two elephants, then by three giraffes, etc.
- Mahy, Margaret. **17 Kings and 42 Elephants.** (IMC CBC E M2798s 1987)
Seventeen kings and forty-two elephants romp with a variety of jungle animals during their journey through a wild, wet night.
- McMillan, Bruce. **Counting Wildflowers.** (IMC CBC E M2286c 1986)
A counting book with photographs of wildflowers illustrating the numbers one through twenty.
- Merriam, Eve. **12 Ways to Get to 11.** (IMC CBC 513.2 M5515t 1993)
Uses ordinary experiences to present twelve combinations of numbers that add up to eleven. Example: At the circus, six peanut shells and five pieces of popcorn.
- Miranda, Anne. **Monster Math.** (IMC CBC E M6728m 1999)
A counting book in which a little monster's birthday party gets out of control.
- Morozumi, Atsuko. **One Gorilla.** (IMC CBC E M8298o 1993)
The smiling gorilla wanders through house, garden, jungle, woods, storm and sea, blissfully counting and being counted till the numbers equal 10.
- Moss, Lloyd. **Zin! Zin! Zin! A Violin.** (IMC CBC E M85554z 1995)
Ten instruments take their parts one by one in a musical performance.



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- Murphy, Stuart J. **A Fair Bear Share.** (IMC CBC E M9577f 1998)
Four bear cubs collect ingredients for a blueberry pie, counting and recounting them as their supply grows.
- Neuschwander, Cindy. **Amanda Bean's Amazing Dream: A Mathematical Story.** (IMC CBC E N3986a 1998)
Amanda has problems counting fast enough. Her teacher tells her that multiplying is faster than counting but Amanda is not convinced.
- Onyefulu, Ifeoma. **Emeka's Gift.** (IMC CBC 960 On97e 1995)
Photographs taken in a village in southern Nigeria are assembled in a counting story.
- Owens, Mary Beth. **Counting Cranes.** (IMC CBC E Ow24c 1993)
A counting book that describes the characteristics and behavior of the whooping crane.
- Pallotta, Jerry. **Reese's Pieces Count by Fives.** (IMC CBC 513.2 P1796r 2000)
Colorful construction vehicles transport Reese's Pieces by ones to ten and then by fives to one hundred.
- Peek, Marle. **Roll Over! A Counting Song.** (IMC CBC 398.8 P3445r)
Animals from the border in a child's bedroom help with the classic counting backwards song, "Roll Over."
- Pinczes, Elinor J. **One Hundred Hungry Ants.** (IMC CBC E P6528o 1993)
One hundred hungry ants head towards a picnic to get yummys for their tummies, but stops to change their line formation, showing different divisions of one hundred, cause them to lose both time and food in the end.
- Pluckrose, Henry. **Numbers.** (IMC CBC 513.2 P7287n 1995)
- Raffi. **Five Little Ducks.** (IMC CBC E R1235f 1989)
When her five little ducks disappear one by one, Mother Duck sets out to find them. Includes musical notation.
- Rathmann, Peggy. **10 Minutes till Bedtime.** (IMCCBC E R1887t 1998)
A boy's hamster leads an increasingly large group of hamsters on a tour of the boy's house, while his father counts down the minutes to bedtime.
- Reiser, Lynn. **Christmas Counting.** (IMC CBC E R2777c 1992)
Ten successive Christmases in a clearing in the forest witness the simultaneous growth of a tiny fir tree and a family.
- Root, Phyllis. **One Duck Stuck.** (IMC CBC E R6784on 1998)
In this counting book, increasingly larger groups of animals try to help a duck that is stuck in the sleepy, slimy marsh.
- Sayre, April Pulley. **One is a Snail, Ten is a Crab: A Counting Feet Book.** (IMC CBC 513.211 Sa995o 2003)
A counting book featuring animals with different numbers of feet.
- Serfozo, Mary. **Who Wants One?** (IMC CBC E Se667w 1989)
Rhyming text and illustrations introduce the numbers one through ten.
- Sis, Peter. **Going Up! A Color Counting Book.** (IMC CBC E Si8102g 1989)
As the elevator moves up from the first floor to the twelfth, various people dressed in different colors get on, all bound for a birthday surprise.



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Tafari, Nancy. **Who's Counting?** (IMC CBC E T1256w 1986)
Text and illustrations of a variety of animals introduce the numbers one through ten.

Wells, Rosemary. **Max's Toys: A Counting Book.** (IMC CBC E W4627mt 1998)
Introduces the numbers one through ten as Max finally trades all his toys for his sister's doll.

Fractions and Geometry

Burns, Marilyn. **The Greedy Triangle.** (IMC CBC Fic B9383g 1994)
Dissatisfied with its shape, a triangle keeps asking the local shape shifter to add more lines and angles until it doesn't know which side is up.

Hindley, Judy. **The Wheeling and Whirling-Around Book.** (IMC CBC 531.8 H5864w 1994)
A lively celebration of circles, disks, spheres, and all sorts of things that roll and spin.

Leedy, Loreen. **Fraction Action.** (IMC CBC 513.26 L5176f 1994)
Miss Prime and her animal students explore fractions by finding many examples in the world around them.

McMillian, Bruce. **Eating Fractions.** (IMC CBC 513.26 M2284e 1991)
Food is cut into halves, quarters, and thirds to illustrate how parts make a whole. Simple recipes included.

Murphy, Stuart J. **Give Me Half.** (IMC CBC 513.26 M9577g 1996)
Introduces the concept of halves using a simple rhyming story about a brother and sister who do not want to share their food.

Richard, Dennis J. **Fractions are Parts of Things.** (IMC CBC 513.26 D423f)
Describes, through use of diagrams and illustrations, the basic concept of fractions, specifically halves, thirds, and fourths.

Tompert, Ann. **Grandfather Tang's Story.** (IMC CBC E T5995g 1990a)
Grandfather tells a story about shape-changing fox fairies who try to best each other until a hunter brings danger to both of them.

Large Numbers

Anno, Mitsuasa. **Anno's Counting Book.** (IMC CBC E An782ab 1977)
A counting book depicting the growth in a village and surrounding countryside during twelve months.

Schwartz, David. **G is for Googol.** (IMC CBC 510 Sch957g 1998)
Math concepts from simple to very complex are explained and illustrated for each letter of the alphabet.

Schwartz, David. **How Much is a Million?** (IMC CBC 513.211 Sch957h 1993)
Text and pictures try to make possible the conceptualization of a million, a billion, and a trillion.

Schwartz, David. **If You Made a Million.** (IMC CBC 332.024 Sch957i 1994)
An exciting book that begins with one dollar and continues to a million.

Schwartz, David. **On Beyond a Million.** (IMC CBC 513.211 Sch957o 1999)
Explores counting by powers of ten all the way up to the largest numbers that exist.

Sis, Peter. **Waving.** (IMC CBC E Si8102w 1988)
As Mary and her mother walk down the street, they wave and are waved at by consecutively increasing numbers of people.

Smith, David J. **If the World Were a Village.** (IMC CBC 304.6 Sm542i 2002)

There are currently more than six billion people on the planet! This enormous number can be difficult to grasp, especially for a child. But what if we imagine the whole world as a village of just 100 people?

Measurement

Hoban, Tana. **Is it Larger? Is it Smaller?** (IMC CBC 152.14 H6517i 1985)

Photographs of animals and objects in larger and smaller sizes suggest comparisons between the two.

Leedy, Loreen. **Measuring Penny.** (IMC CBC 530.8 L5176m 1997)

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.

Myller, Rolf. **How Big is a Foot?** (IMC CBC E M9945h 1990)

Thrown in jail because the bed he made for the Queen is too small, an apprentice comes up with a more accurate way of measuring size.

Pluckrose, Henry. **Size.** (IMC CBC 530.8 P7287s 1995)

Photographs and text introduce the concept of size through comparisons.

Money

Axelrod, Amy. **Pigs Will Be Pigs.** (IMC CBC 332.4 Ax226p 1994)

The hungry Pig family learns about money and buying power as they turn the house upside down looking for enough money to buy dinner at the local restaurant.

Doubleday, Pat Brisson. **Benny's Pennies.** (IMC CBC E B7766b 1995)

Benny's family has many ideas as to how he should spend his pennies and when he goes shopping he meets all the suggestions with his choices.

Glass, Julie. **A Dollar for Penny.** (IMC CBC E G4637d 2000)

Penny learns about currency when she sets up a lemonade stand to earn money for her mother's birthday card.

Hoban, Lillian. **Arthur's Funny Money.** (IMC CBC E H6516af 1981)

When Violet has a numbers problem and Arthur is penniless, they go into business and solve both problems.

Sinner, Daphane. **Tightwad Tod.** (IMC ON ORDER)

Challenged to spend twenty dollars in one day, a boy who loves money not only learns about bargain hunting and keeping track of his remaining balance, he also learns that spending can be fun.

Wells, Rosemary. **Bunny Money.** (IMC CBC E W4627b 1997)

Max and Ruby spend so much on emergencies while shopping for Grandma's birthday presents, that they just barely have enough money left for gifts.

Williams, Rozanne Lanczak. **The Coin Counting Book.** (IMC CBC 513.211 W6753c 2001)

Rhyming verses, with illustrations, for children to review counting the various denominations of American coins.

Real Life Math Problems

Daniels, Teri. **Math Man.** (IMC CBC Fic D2285m 2001)

In the fall, Mrs. Gourd and her class take a field trip to the Mighty Mart, where they see plenty of math in action.

Hutchins, Pat. **The Doorbell Rang.** (IMC CBC E H9705d 1986)

Two children much figure out how many cookies will be left for them when an increasing number of friends drop by.

Murphy, Stuart J. **Divide and Ride.** (IMC CBC 513.2 M9577d 1997)

Pinczes, Elinor. **A Remainder of One.** (IMC CBC E P6528r 1995)

The story of ant soldiers trying to march in even lines but Joe keeps ending up with a remainder of one, until he finally finds an array that works.

Schwartz, David. **If You Hopped Like a Frog.** (IMC CBC 513.24 Sch957i 1999)

Introduces the concept of ratio by comparing what humans would be able to do if they had bodies like different animals.

Scieszca, Jon. **Math Curse.** (IMC CBC E Sci276m 1995)

When the teacher tells her class that they can think of almost everything as a math problem, one student acquires a math anxiety which becomes a real curse.

Tang, Gregg. **Best of Times: Math Strategies That Multiply.** (IMC CBC 513.213 T1563b 2002)

Simple rhymes offer hints on how to multiply any number by zero through ten without memorizing the multiplication tables.

Tang, Gregg. **Grapes of Math.** (IMC CBC 513.2 T1563g 2001)

Illustrated riddles introduce strategies for solving a variety of math problems in using visual clues.

Tang, Gregg. **Math for All Seasons.** (IMC CBC 513 T1563m 2002)

Each clever problem, posed as a riddle, and told in engaging rhyme is enhanced with bold and vibrant, eye-catching, computer-generated illustrations. No more counting the old fashioned, slow way, one by one.