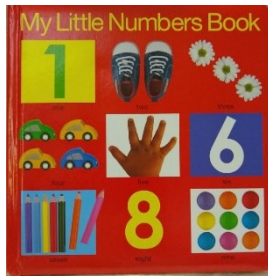
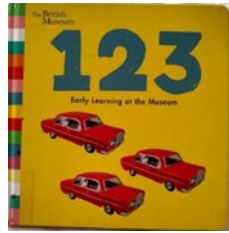


Math Books and Activities



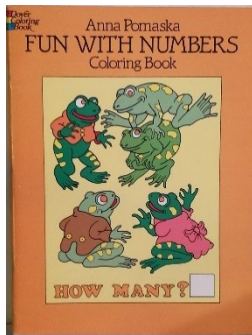
My Little Numbers Book (Priddy Books)

Plenty of practice counting, great photos of familiar things, as well as some problem solving (spot differences, same/different, shapes, colors, concept of adding, etc.).



The British Museum: 1, 2, 3, Early Learning at the Museum

A simple counting book, using photos of objects from the British Museum. Board Book, counts from 1-20. Index with more info in the back. A code to scan for even more info about the objects.

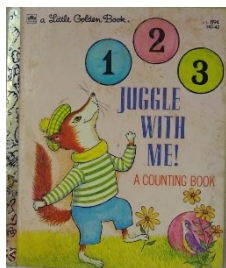


Fun with Numbers Coloring Book (Dover Coloring Book)



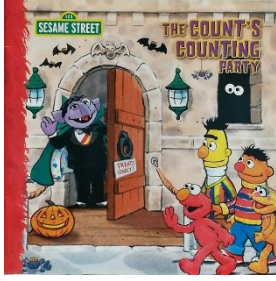
Numbers 1-20

Grades PreK-K is inconspicuously labeled, more obtrusive is the Preschool part of that. Free App offered to reinforce learning or increase motivation.



1, 2, 3 Juggle with Me! by Ilse-Margret Vogel (Golden Book, 1970)

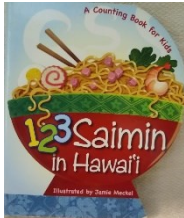
Various animals get a little competitive about how many they can juggle. Rhyming quatrains. In the end, they all juggle 10 together.



The Count's Counting Party (Sesame Street)

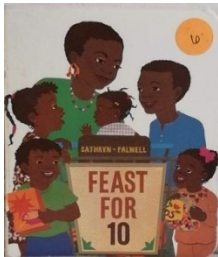
Perhaps motivating for those who have other interests than math and reading. Here's a fun little clip of the Count from Sesame Street (more available)

https://www.youtube.com/watch?v=r7xLmDZyV3g&ab_channel=SesameStreet



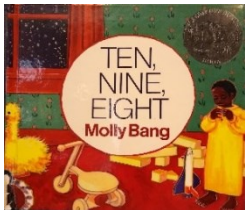
1, 2, 3 Saimin in Hawai'i: A Counting Book for Kids (Beach House Board Books)

Counting and cooking . . . start with the noodles, add an egg, 2 kamaboko (spiral fish cakes), up to 10. Count in English and Hawaiian, with a staple of Hawaiian food. Great photos. Rhyming. Additional titles inside back cover: Noodles for Baby, Sam Surfs, If You Were A Dinosaur in Hawaii, and Down at the Beach.



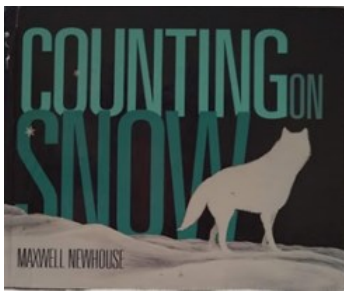
A Feast for 10 by Cathryn Falwell

Very simple boardbook, DRA 6, but a lovely little story.



Ten, Nine, Eight by Molly Bang

Starting with 10 toes, a youngster gets ready for bed. Counting backwards. Few words. Cute.

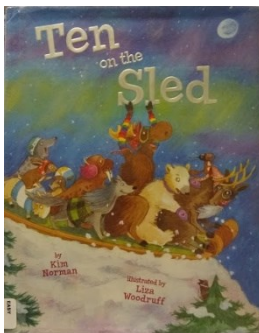


Counting on Snow by Maxwell Newhouse

Counting down from 10, animals of the north: caribou, muskoxen, ravens, swans, seals, wolves, hares, polar bears, owls, moose.

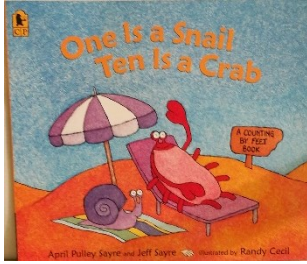
Nice, mostly black and white illustrations, showing animals, and next page their backsides as they move away. Weather progresses from clear to a snowstorm. Very large simple print, alliterative.

What do various animals do when it starts snowing? Excellent for habitats unit, as well as math, literature, art, etc.

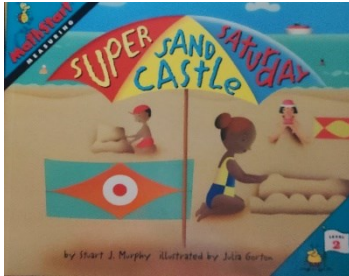


Ten on the Sled by Kim Norman

10 northern animals ride a toboggan down a steep hill. Count down from 10 as one at a time takes a tumble. Rhythm, rhyming, alliteration, repetition. Brief text in large letters. 1-2 grade reading level. Fun read aloud. Engaging. Could be great lead into habitats, etc.

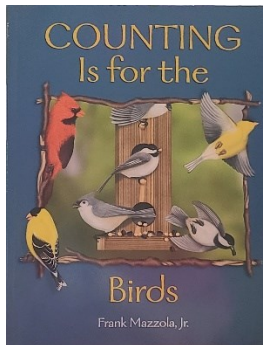


One is a Snail, Ten is a Crab: a Counting by Feet Book by April & Jeff Sayre
A fun and interesting take on the usual counting book. Starts simply, but by the end is fairly complex in how the feet are counted up.



Super Sandcastle Saturday (MathStart level 2)

Non-standard measuring. Grades 1-2, so may be a little too sophisticated for typical Kindergarteners. Lists books in the series for level 1, level 2, and level 3.



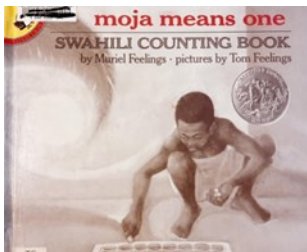
Counting is for the Birds by Frank Mazzola, Jr.

Beautiful illustrations. Brief rhyming text in a large font, but then details are added in a regular size font. Counting 1-20. A Guide to the birds of the book at back.



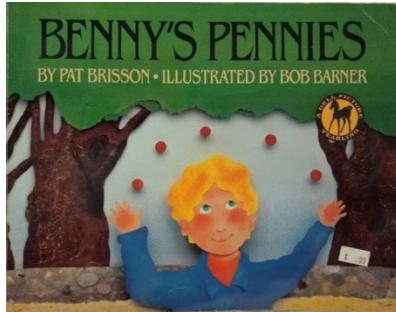
Cuenta hasta 100 (Count to 100, Usborne)

Large board book. Fluency/literacy in Spanish is not necessary. The numbers and pictures are the same in any language. But if learning Spanish is also a goal, this can be a resource for gently learning a few words. Count 1-10, the 20, 30, 40, 50, 60, 70, 80, 90, 100.



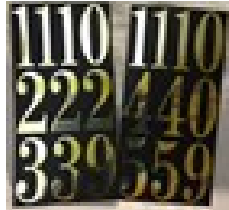
Moja Means One: Swahili Counting Book by Muriel Feelings

Caldecott Honor Book. Map at the beginning shows African countries where Swahili is spoken. "1 moja (mo-jah) Snowy Kilimanfaro is the highest mountain in Africa." Thus the text begins, providing natural and cultural context in English, with the word/pronunciation for each number in Swahili. Nice grey-scale illustrations. The author has also written Jambo Means Hello" Swahili Alphabet Book with the same illustrator.

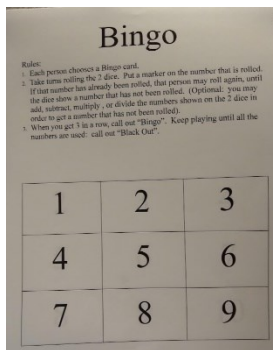


Benny's Pennies by Pat Brisson

Benny starts with 5 pennies. Each of his family members has a suggestion of what he could get for them. He manages to get what each of them asked for, a penny each. Repetition, and a story that builds on itself. "The illustrations for this book were created with torn and cut papers from [various countries], pastels, colored pencils, various types of glue and paints."

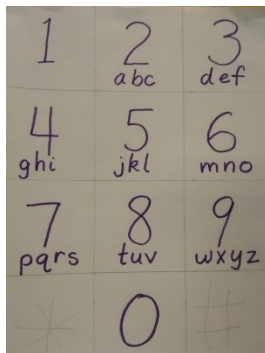
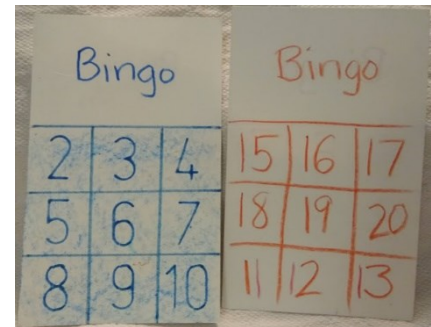


Number activity—invest in some number stickers, put them in order, or one sticker on each page, and illustrate each number with a number of objects, drawn or otherwise. Maybe the child would like to take photos of his work and put them in a little album to look at later, or share with younger children.

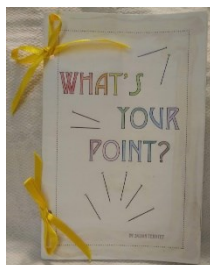


Children can make their own Bingo cards if you provide the 9-square framework.

Let them choose which box to write each number, so that each child will have a unique card. Numbers can be written freehand, use a stencil, stickers, etc. The front can have numbers 1-10, the reverse can have numbers 11-20. Children may choose to color their cards.



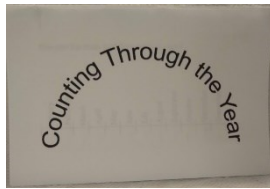
With a paper telephone number pad such as this, you can practice dialing phone numbers of important people in the child's life (parents, grandparents, 911...). You can also spell out the child's name, mom & dad, siblings, simple phonetic words like cat and dog . . .



What's Your Point? By Susan Ternyey

First two pages: "1 One point can make a dot: and that's just not a lot. 2 Two points can make a line: if that's what you want, that's fine." Numbers 1-10. Each page has number dot(s), and lines to show the figure formed, and then it is made into a picture of something that shape.

Pattern at <https://www.learninglab.site/kindergarten>



Counting Through the Year by Susan Ternyey

Each year has one birthday for you, two semi-annual sales, three months in each season, four seasons . . . “. Numbers 1-15

Pattern at <https://www.learninglab.site/kindergarten>



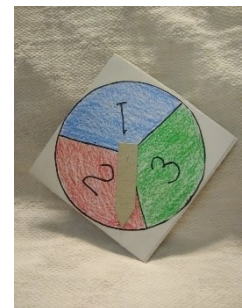
You can use real pennies and dimes to count the numbers on a clock face—first in order, and then randomly. Alternatively, stack the pennies so that 6 has a stack of 6 pennies. Attach the hands on the clock with a brad, a pin, a tack (with something behind the tack, such as corrugated cardboard or craft foam/foam core). Move the hands around to choose the time. Switch positions as the person who chooses the time, and the person who shows it in money. Kids will love the controlling interest with adults taking the position of lesser control.



Card games—any set of cards with numbers, colors, shapes, can be used to play games without gambling. Uno, Skipbo, Flinch, Phase 10, Crazy 8s, Old Maid, Go Fish, etc. Play simplified versions of Uno, Solitaire, or other games; you can play Concentration; you can shuffle and deal out a number of cards, put some of them in an array on the playing surface, and then try to fill in the blank spaces so that the numbers are in order . .



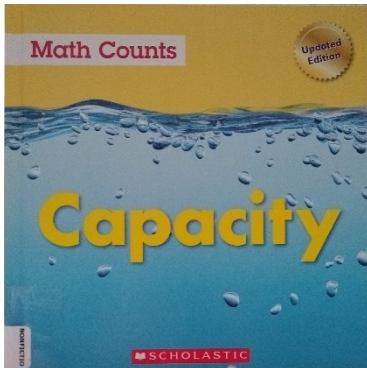
Spinners and dice are useful for any number of games you or the child may invent, or they can be used as games in themselves. For instance, each player spins the spinner, and the largest number (or smallest number) wins that round. You can make your own spinner with a divided circle mounted on corrugated cardboard, and a pin or tack through the pointer and the middle of the circle. Back it with enough layers so that no one gets poked with the end of the pin.



Measuring all sorts of things that have meaning for the child can be fun, especially when child-directed. Compare the measurements of different people's fingers, or the measure of a hand compared to the same person's foot, go on a Scavenger Hunt for something 1", something 3", something 6", etc. This helps with number sense as well as estimation.



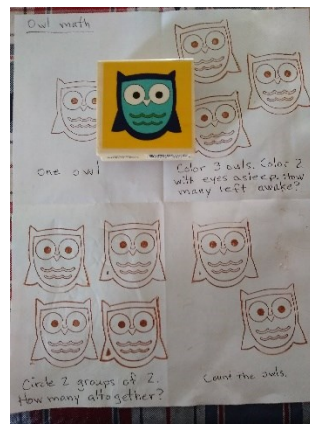
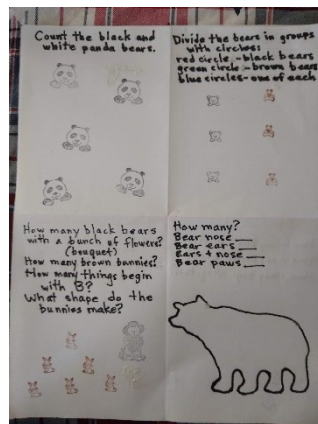
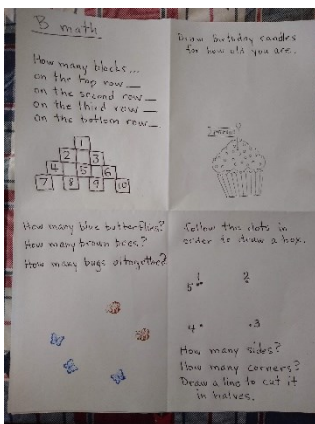
Inexpensive **volumetric measurers** (kitchen measuring cups) can help with numerical sense as well as estimation. These can be fun for water play, likewise as kitchen math/science. How many marbles will fit in a cup? A half cup? How much colored water will fit in a particular emptied jar?



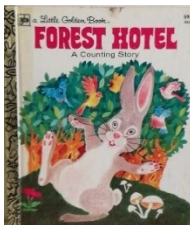
Capacity (in other words, volume) by Henry Pluckrose (Math Counts) 32pp, 540L. Other titles include Length, Sorting, Weight, Size, Time. See two of them below.



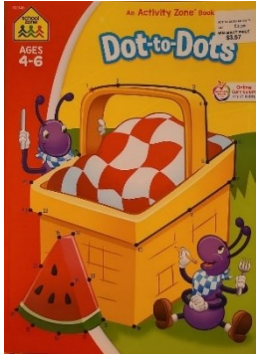
This is a fun kid scale, but a bathroom scale, or a kitchen scale can be used to practice with **measuring weights** and relative weights. You can try to estimate which grocery item weighs the most or least, then check for the answer with a scale. You can try balancing the weights of different things (similar to a teeter-totter) . . .



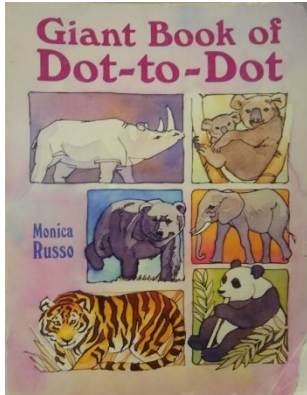
Math pages for Literature Connections



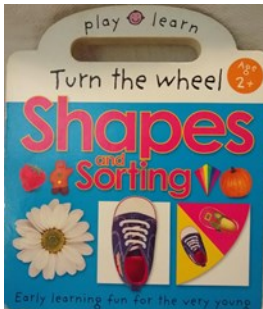
Forest Hotel: A Counting Story (Golden Book)
A little more sophisticated counting book than the usual.



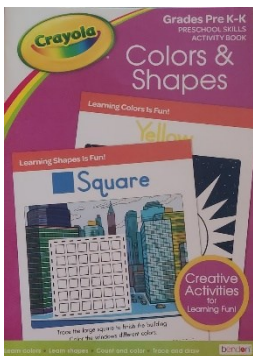
Dot-to-Dots (An Activity Zone Book)
For ages 4-6.



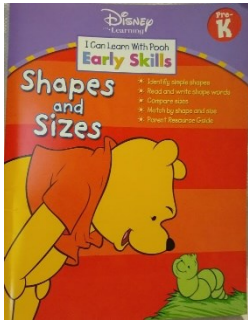
Giant Book of Dot-to-Dot by Monica Russo
Contents: Prehistoric Animals, Dinosaurs, Extinct Animals, Endangered Animals, Wildlife, Mythical Animals. Dot to Dot picture to color, name of creature, pronunciation, size, when/where it lived, and such information, with a paragraph about each animal. For children who know their numbers up to 100, or to work as a team.



Turn the Wheel Shapes and Sorting (Priddy Books)
Turn the wheel each page to match the shapes or find the partners/pairs. Great photos of familiar things. Additional titles pictured on back cover: Slide and Find ABC, Touch and Feel Colors, Lift the Flap Numbers.



Colors & Shapes (Crayola)
Grades PreK-K. Good ideas for noticing shapes in the real world.



Shapes and Sizes (Disney Learning, I can Learn With Pooh, Early Skills; Bendon Publishing)

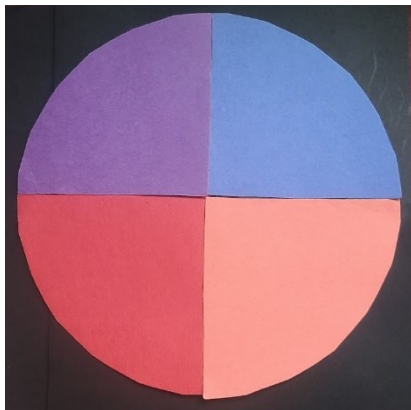
“Identify simple shapes, Read and write shape words, Compare sizes, Match by shape and size, Parent Resource guide.” Additional titles listed on back cover: Colors, Letters of the Alphabet, Early Skills Library, Letter Recognition and Writing, Beginning sounds, Numbers and Counting. Game cards for colors and shapes, first words, number matching. Lessons for Grade K: Alphabet, Numbers; Grade 1: phonics & reading, addition and subtraction; Grade 2: reading & understanding, time & money; Ages 5-8: Reading & Math Collection.



Hunting for shapes around the house can be done as a hide and seek game, or find objects around the house that match the description. Children enjoy taking turns hiding the shapes or objects.



Shapes, colors, and patterns are an indispensable component of art. Larger shapes can be used for a game similar to Cake Walk or Musical Chairs, if you can attach them safely to the floor.



1. Cut 4 circles of 4 different colors. Cut them all in half. Note the difference between cutting in two, and cutting in half. Halves mean that two people sharing a cookie get the same size piece.
2. Cut the halves in half again. You will have 4 pieces of each color. Each one is a quarter = $\frac{1}{4}$. Put 2 quarters together to make a half. Put 4 quarters together to make a whole. This doesn't have to be learned right away, just an introduction to the idea.



Flippin' Fun at the Triangle Circus by Susan Ternyey

"1 One triangle does a back flip. 2 Triangles can do tricks . . .", the book begins. 1-10 (felt) triangles show what they can do.

For a pattern, see <https://www.learninglab.site/kindergarten>

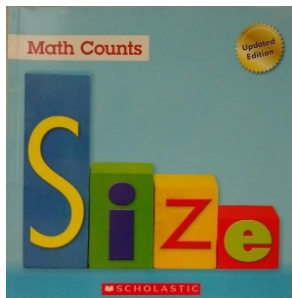
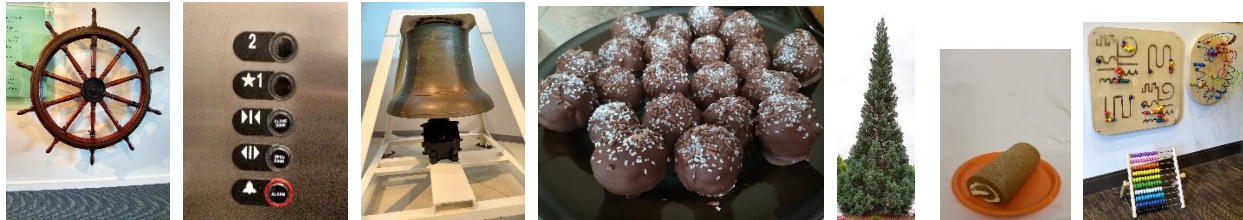
Kiwi from the store
I store in my frig.



Food shape activity: an egg or an olive is nearly oval, an almond is tear drop shaped, a pear is similar to a bell shape, a donut is ring shaped, a bowl is bowl shaped, a banana is a crescent, use salt dough to create a saddle shape, etc.



Shapes, Colors, and Numbers Everywhere

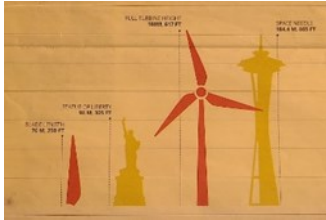


Size by Henry Pluckrose (Math Counts)

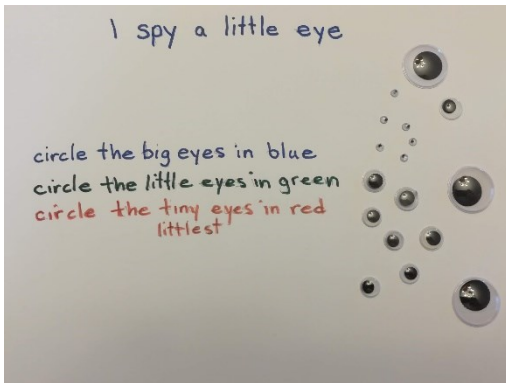
Introduces the idea that size is relative (big toy bear is smaller than small baby elephant). Encourages thinking skills, with "How do you know . . . ?" Great photos. Additional titles pictured on back cover, Pattern, Shape, Sorting, Counting, Numbers, Time, Length, Weight, Capacity.



Count or compare size of various objects around the house. You may also compare weights.



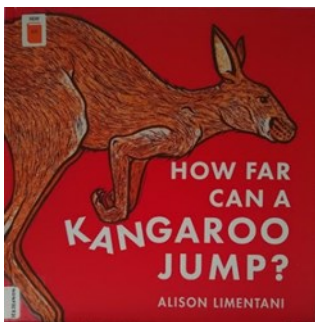
This interesting size comparison came in a local "port" report.



Visual acuity or discernment is a valuable ability for scientists, engineers, artists, and even parents!



Practice using comparative terms: smaller/larger, bigger/littler, biggest/littlest, more/less, most/least...



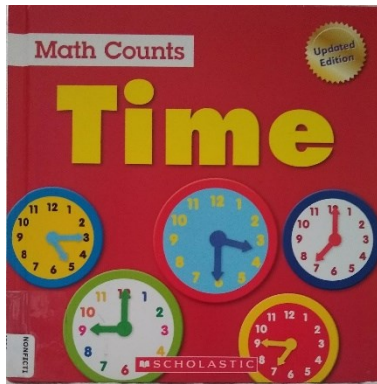
How Far Can a Kangaroo Jump? by Alison Limentani

An appealing picture book comparing the length that different animals can jump, leap, etc. Also a counting book. Includes a comparative measuring chart at the end. An excellent and engaging number/measure/comparison book. Simple, large, bold lettering. Animals included: kangaroo, lemurs, penguins, rabbits, frogs, goats, cassowaries, coyotes, grasshoppers, chipmunks, snow leopard, Olympic jumper. Additional titles pictured on the back cover: How Much Does a Ladybug Weigh?, How Tall was a T. Rex?, and How Long is a Whale?

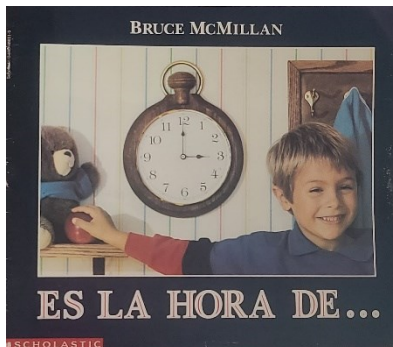


It's About Time! By Stuart J. Murphy (MathStart level 1)

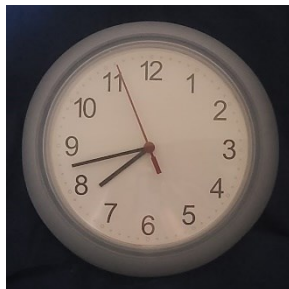
Follows a boy through his day, hour by hour. Analog clock as well as a digital depiction. Very limited text in a large font. A series of clocks at the end shows the 24 hours of a day. Note that the hour hand has to go around the clock twice in 24 hours, so there's a 12 o'clock noon and a 12 o'clock midnight. Info for adults at back, including 3 titles written by other authors covering similar concepts. Notice time flying at the front and back. Lists of levels 1, 2, and 3 at front. Level 1 age 4+, level 2 age 6+, level 3 age 7+.



Time by Henry Arthur Pluckrose (Math Counts)
See Size (Math Counts) above.



Es la Hora de . . . by Bruce McMillan (Scholastic)
Spanish literacy/fluency not required, as you can talk about the pictures and numbers in any language. Follows a boy through his day.



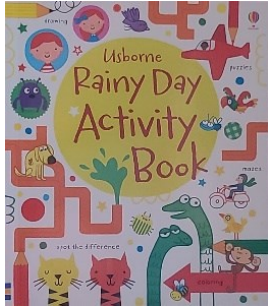
An inexpensive clock, especially one that has quit working, can be a great tool for learning and practicing with time. Children love to be the one moving the hands, being the “expert”, and “testing” their elders.



Nearly anything with numbers can be made into a number game. Simplify card games for youngsters, in fact, you can use the cards to play different games, such as Concentration.

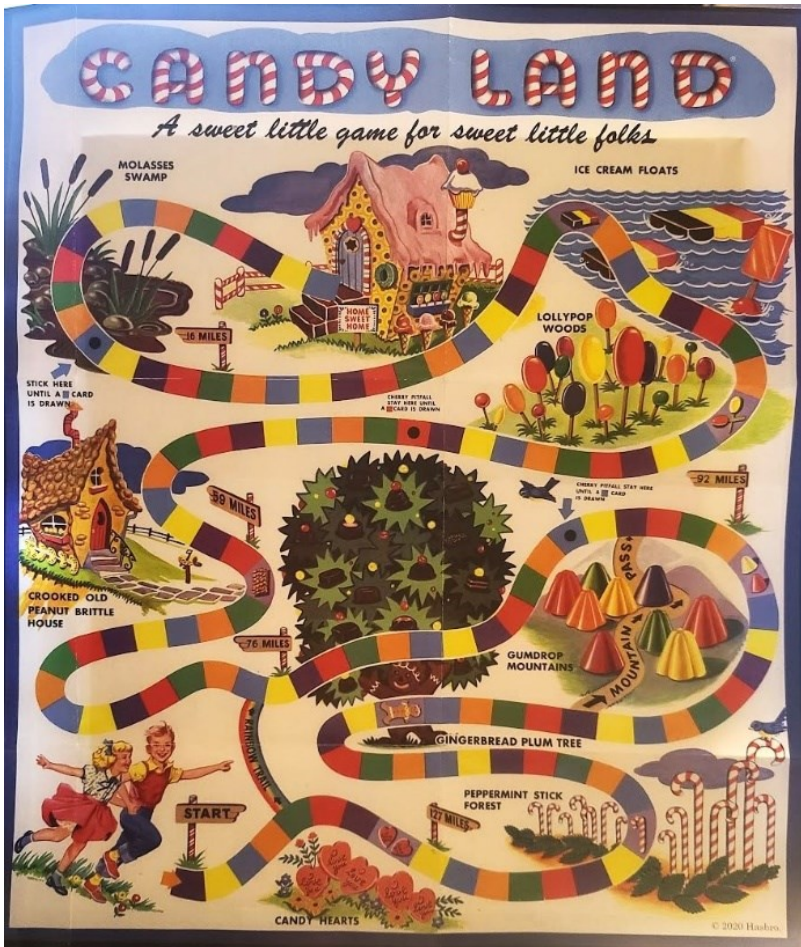


It's good practice writing numerals for the children to make their own number strips for their desks. These are useful not only to remember how to form the numerals, but in comparing greater than/less than, what comes before/what comes after, etc.



Rainy Day Activity Book (Usborne)

Labeled for Primary grades, so some of the puzzles must be appropriate for Kindergarten.



Candyland is the classic game for non-readers, and is great practice with counting and colors. Games are not only fun, they develop thinking skills, strategizing, sportsmanship, the understanding of the importance of obeying rules (no one likes to play with a cheater! And if you cheat to win, did you really win?)