

Appendix A: Children's Trade Books Matched to the Texas Prekindergarten Guidelines

In this appendix, the numbered bold-print text is taken directly from the Texas Prekindergarten Guidelines: Math Domain. The suggested books target the skill addressed and are listed from simplest to most complex. (Notes to teachers are in parenthesis.)

A. Counting Skills

1. Child knows that objects, or parts of an object can be counted.

- *1 2 3: A Child's First Counting Book* by Alison Jay (presents both objects and parts of objects to be counted)

2. Child uses words to rote count from 1-30.

- *Anno's Counting Book* by Mitsumasa Anno (0 to 12; no words)
- *One Big Building: A Counting Book About Construction* by Michael Dahl (1 to 12)
- *My Little Counting Book* by Roger Priddy (1 to 20)
- *20 Big Trucks in the Middle of the Street* by Mark Lee (1 to 20)
- *The Icky Bug-Counting Book* by Jerry Pallotta (0 to 26)
- *Fifty on the Zebra: Counting with the Animals* by Nancy Maria Grande Tabor (0 to 20 by 1's, 10 to 100 by 10's, objects to count for each)
- *Best Counting Book Ever* by Richard Scarry (1 to 20 by 1's, 30 to 100 by 5's)

3. Child counts 1-10 items, with one count per item.

[Most counting books count to ten; look for books that show numerals (i.e., 1, 2, 3), number-words (i.e., one, two, three), and something to count together on the page.]

4. Child demonstrates that the order of the counting is always the same, regardless of what is counted.

(Choose books that show more than one set of items to be counted for each number.)

- *What Comes in 2's, 3's, and 4's?* by Suzanne Aker
- *Counting Stars* by Catherine Rayner
- *How Many; Cuantos Hay* by D.J. Panec

5. Child counts up to 10 items and demonstrates that the last count indicates how many items were counted.

(This understanding can be scaffolded with any counting book by presenting the number first, then counting items on page, then referring back to the number.)

- *Let's Say Our Numbers* by Roger Priddy (1 to 10)

6. Child demonstrates understanding that when counting, the items can be chosen in any order.

(Use any counting book that does not put items for counting in a straight line, then count items in different ways.)

- Butterfly Colors and Counting by Jerry Pallotta
- How Many Snails by Paul Giganti, Jr. (this book adds complexity by giving discriminating characteristics that reduce the number counted)

7. Child uses the verbal ordinal terms. (For example: first, second, third, etc.)

- Henry the Fourth by Stuart J. Murphy (first to fourth)
- Five Little Pumpkins by Tiger Tales (first to fifth)
- Ordinal Numbers by Kristen Sterling (first to fifth)
- Seven Little Bunnies by Julie Stiegemeier (first to seventh)
- Albert, the Muffin-Maker by Eleanor May (first to twelfth)

8. Child verbally identifies, without counting, the number of objects from 1 to 5.

- The Very Hungry Caterpillar by Eric Carle
- Lots of Ladybugs: Counting by Fives by Michael Dahl (groups of 5 only)
- Math-terpieces by Greg Tang (pictures only – text is complex for preschoolers)

9. Child recognizes one-digit numerals, 0-9.

(Many counting books show numerals with the objects to count, be sure to point out this connection.)

- Numbers by Henry Arthur Pluckrose
- I Spy Numbers by Jean Marzollo

B. Adding To/Taking Away Skills

1. Child uses concrete objects, creates pictorial models, and shares a verbal word problem for adding up to 5 objects.

- Just One More by Jennifer Hansen Rolli (introduces idea of one more)
- Fish Eyes: A Book You Can Count On by Lois Ehlert (adds 1 more)
- Mouse Count by Ellen Stoll Walsh (begins with 3, adds 3, then 4 more)
- Quack and Count by Keith Baker (several ways to total 7)
- Twelve Ways to Get to 11 by Eve Merriam (twelve ways to total 11)
- What's New at the Zoo: An Animal Counting Adventure by Suzanne Slade (sums of up to 20)
- Domino Addition by Lynette Long (sums of 0 to 12)
- Teddy Bear Addition by Barbara Barbieri McGrath (sums of up to 50)

2. Child uses concrete models or makes a verbal word problem for subtracting 0-5 objects from a set.

- Pete the Cat and His Four Groovy Buttons by Eric Litwin and James Dean (four buttons pop off one by one)
- Benny's Pennies by Pat Brisson (Benny spends 5 pennies)
- Monster Musical Chairs by Stuart J. Murphy (begins with 6 monsters, ends with 1)
- Ten Flashing Fireflies by Philemon Sturges (children capture fireflies 1 at a time from a group of 10)
- One Big Pair of Underwear by Laura Gehl (groups of up to 9 animals all have 1 less item than needed for everyone, so there is always one left out)
- Elevator Magic by Stuart J. Murphy (starts at 10th floor, goes down 2 floors, then 3, then 1, then 3 to get to the 1st floor)
- Teddy Bear Subtraction by Barbara Barbieri McGrath

3. Child uses informal strategies to separate up to 10 items into equal groups.

- The Doorbell Rang by Pat Hutchins (12 items)
- A Remainder of One by Elinor J. Pinczes (25 items)
- One Hundred Hungry Ants by Elinor J. Pinczes (100 items)

C. Geometry and Spatial Sense Skills

1. Child names common shapes.

- Shapes by John J. Reiss
- Shape by Shape by Suse MacDonald
- Color Zoo by Lois Ehlert
- Shapes, Shapes, Shapes by Tana Hoban
- I Spy Shapes in Art by Lucy Micklethwait

2. Child creates shapes.

- When a Line Bends, a Shape Begins by Rhoda Gowler Greene
- The Greedy Triangle by Marilyn Burns

3. Child demonstrates use of location words (such as “over,” “under,” “above,” “next to,” “between,” “in front of,” “near,” “far,” etc.).

- Up, Down, and Around by Kathy Ares
- Over, Under, and Through by Tana Hoban
- Inside, Outside, Upside Down by Stan and Jan Berenstain
- Rosie's Walk by Pat Hutchins
- Piggies in the Pumpkin Patch by Mary Peterson

4. **Child slides, flips, and turns to demonstrate that the shapes remain the same.**
 - Mouse Shapes by Ellen Stoll Walsh
 - Grampa's Quilt by Betsy Franco (children rearrange parts of a quilt to change the overall shape)
 - Perfect Square by Michael Hall (a square is broken and used in many ways)
 - Jack the Builder by Stuart J. Murphy (adding blocks to make different things)
 - Block City: Poem and Activities by Robert Louis Stevenson and Dawn Heston (blocks used to make various structures)

D. Measurement Skills

1. **Child recognizes and compares heights or lengths of people or objects.**
 - Is it Larger? Is it Smaller? by Tina Hoban
 - The Best Bug Parade by Stuart J. Murphy
 - Length by Henry Arthur Pluckrose
2. **Child recognizes how much can be placed within an object.**
 - Capacity by Henry Arthur Pluckrose
 - A House for Birdie by Stuart J. Murphy
3. **Child informally recognizes and compares weights of objects or people.**
 - Weight by Henry Arthur Pluckrose
 - Mighty Maddie by Stuart J. Murphy
4. **Child uses language to describe concepts associated with the passage of time.**
 - The Grouchy Ladybug by Eric Carle
 - It's About Time by Stuart J. Murphy

E. Classification and Patterns Skills

1. **Child sorts objects that are the same and different into groups and uses language to describe how the groups are similar and different.**
 - A Pair of Socks by Stuart J. Murphy
 - Sorting by Henry Arthur Pluckrose
 - Three Little Firefighters by Stuart J. Murphy
 - Sort It Out! by Barbara Mariconda
 - The Button Box by Margarette S. Reid