What if a book is not obviously focused on math - how could you still use the book to practice math?

**Graph It!**
- Take a vote to decide what book to read. Graph the votes to decide which book won.
- Count the number of times each character appears in a book. Graph your count to see who appeared the most and who appeared the least.

**Count It!**
- Count the number of pages in the story.
- Count the images on a page.

**Find Patterns!**
- Find words or phrases that are repeated in the story.
- Find story lines that follow a growing pattern (one thing added each time).

**Compare It!**
- Compare counts of 2 different objects on a page. Which object is there more of? Which object is there less of? Or, is your count equal (the same)?
- Compare counts of 3 or more different objects on a page. Which object is there most of? Least of? Any counts that are equal (the same)?

**Sort It!**
- Sort books by author.
- Sort books by size (small, medium, large) or shape (square, rectangle).

**Measure It!**
- Discuss the sizes of characters or objects in the book. What is the tallest? Shortest? Biggest? Widest? Longest?

**Locate It!**
- Discuss the location of different objects in the illustration.

**Find Shapes!**
- Look for shapes in the pictures of the story.
Zeno 5 Practices
These are practices to help engage your child in math play. The practices align with the types of read.

**Explore**
Allow children to explore freely. Let them make wild predictions!

**Talk**
Ask questions about what your child thinks may happen in the story. A time to spark curiosity by ask open-ended questions. Questions that have no one “right” answer and that prompt children to explain their thinking.

Examples: “How do you know?” “Why did you do that?” “What would happen if…” “How did you figure that out?” “What else could you do with…?”

**Play**
Create playful, positive, and hands-on math experiences by using a book to explore math!

**Build**
Start with where the child is comfortable to build confidence and then build on current understanding to encourage growth.

**Connect**
Connect math to everyday moments. Show children that math is all around them and in their daily lives. This will help make math fun, playful, and meaningful.

**Pre-Read**
First, just look at the cover and read the title. This is a time for predictions. Ask your child, “What do you think the story may be about?” This often helps a child connect the book to their experiences, which can increase comprehension.

**Book Walk**
Next, go through the book, looking only at the illustrations (don’t read the words yet). Allow your child to make new predictions based on the pictures they see.

**First Read**
This is the first time you read a story. See if predictions made were correct. Introduce one concept to focus on in the story. See the other side for ideas on ways to include math while reading.

**Second (or third, fourth, fifth, etc.) Read**
Use this read to go deeper into a concept that was introduced during earlier reads or use it to introduce a new concept. See the other side for ideas on ways to include math while reading.

**Post-Read**
Use this as an opportunity to do more hands-on activities that can extend learning of concepts that the book introduced.

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