



MATHEMATICS

PRE-K

By the end of Pre-K, students will have had an opportunity to engage with the core concepts listed below.

- Numbers and Operations
 - Recite numbers in order from one to thirty with no more than a few errors
 - Recognize and name all written numerals 0-10.
 - Count up to 10 objects using 1-1 correspondence
 - Decompose a set of objects into two small sets in more than one way and combine two small sets to create a larger set. For example:
 - Decompose 5 bears into groups of 3 and 2, or 1 and 4 (smaller group).
 - Group 3 bears and 2 bears to make a set of 5 bears (bigger group).
- Geometry and Measurement
 - Name and identify colors and shapes (circle, rectangle, triangle, and square)
 - Sort and classify objects by their attributes, like color, size, shape
 - Order objects by size (smallest to largest or largest to smallest)
 - Recognize and create patterns, like green block, red block, green, red, green, red, etc.

**Aligned with California Preschool/Transitional Kindergarten Learning Foundations*



QUESTIONS TO ASK YOUR STUDENT

- "How many green beans are on your plate? Do I have more than you?"
- "How many points will we have if we get one more?"
- "Which is heavier: the rock or a plate?"
- "Can you find all the squares in our house? What other shapes can you find?"



WAYS TO CHALLENGE THEIR THINKING

- Move beyond orally counting to 30 and introduce simple addition and subtraction concepts using everyday objects.
- Expand on shape recognition by introducing 3D shapes and exploring symmetry.
- Encourage your child to classify objects based on multiple attributes and organize them in more complex ways.