

# Chapter 6 Application Guide

Use the application guide to connect these ideas and tools to your classroom practices.

Chapter 6 Topics	Connect to Your Classroom
Supporting subitizing	Use ten-frame activities, dominoes, and dice games to encourage quick recognition of the dot pattern rather than counting the dots.
Teaching counting	Reinforce cardinality by asking, "So how many do you have?" when students finish counting a set. Model counting from a number other than one to lay the groundwork for the counting-on strategy for addition. Mathematize picture books and count throughout the day. Implement routines such as Counting Collections and choral counting.
Handling counting mistakes	Address errors in one-to-one correspondence by having students point and count slowly or move objects to the other side of the table to improve accuracy. Use a hundred chart so students see tricky numbers (like the teens) regularly.
Reinforcing number comparisons	Have students explore with concrete objects like base 10 blocks before moving on to number lines for making number comparisons. Introduce the greater than and less than symbols conceptually with hands-on materials and drawings.
Using number bonds	Help students transfer knowledge of number bonds to solve computation items with multiple digits by breaking numbers apart to calculate more efficiently.
Teaching place value	Use base 10 blocks and a place value chart to give students ample experience physically building numbers and regrouping them through explicit trading. Explore a hundred chart to help students identify patterns in our place value system and to connect the verbal and written number.
Teaching estimation	Reinforce estimation as an essential component of number sense by encouraging students to apply rounding to word problems.
Teaching fractions	Use a progression of sharing stories to introduce the idea of fair shares or equal parts. Incorporate area, set, and length models. Build number sense by using benchmark fractions and building models that show equivalence.
Naming decimal fractions	Consistently use the term decimal fractions and say the decimal fractions correctly to help students draw the connection between decimals fractions and fractions. Have students use 10×10 grids to find equivalences between fractions and decimal fractions.