

MATH FAMILY CONNECTION

Grade 2 • Unit 3: Base Ten, Skip Counting & Patterns

Unit Focus Guide
Numbers Up to 120

UNIT STORY & BIG IDEAS

In Unit 3, second graders deepen their understanding of **2-digit and 3-digit numbers** (up to 120). Students explore how the base ten system works through hands-on grouping, flexible skip counting, money concepts, and pattern recognition.

Throughout this unit, children discover how mathematical patterns connect directly to skip counting, telling time on clocks, and counting collections of coins!

KEY VOCABULARY

Base Ten Place Value Digit
Expanded Form Skip Count
Even / Odd Core Pattern
Growing Pattern Like Coins
Compare ($>$, $<$, $=$)

WHAT WE ARE LEARNING ("I CAN" GOALS)

- Skip Count:** Count forward by 2s (to 50), 5s, 10s, and 25s (up to 120). Count backward by 10s.
- Place Value:** Represent numbers in standard form (42), expanded form ($40 + 2$), and word form.
- Even & Odd:** Prove if a quantity (up to 50) is even (equal pairs) or odd (1 leftover).
- Compare & Order:** Compare two numbers using terms and symbols ($>$, $<$, $=$) based on place value.
- Patterns:** Identify, extend, and transfer repeating and increasing patterns.
- Money Fluency:** Identify quarters and count collections of like coins (nickels, dimes) up to \$1.00.

BASE TEN PLACE VALUE



EVEN VS. ODD GROUPS



COUNTING LIKE COINS



ACTIVITIES TO TRY AT HOME

- Coin Jar Collector:** Practice skip counting nickels (by 5s) and dimes (by 10s). Ask: "How much money do we have in total?"
- Even or Odd Scoop:** Grab a handful of cereal or buttons. Pair them up two by two. If every object has a partner, it's **EVEN**; if 1 is left over, it's **ODD**!
- Pattern Detective:** Look for repeating or growing patterns around your home—on blankets, tile floors, or shirt patterns!

MATH & LITERATURE CONNECTIONS

Enjoy these fun math-themed storybooks together:

Even Steven and Odd Todd

by Kathryn Cristaldi

Pete the Cat & His Four Groovy Buttons

by Eric Litwin

Caps for Sale by Esphyr Slobodkina