Numbers 10-20 and Counting to 100

This module is a key next step for kindergarten students in understanding place value beyond the numbers 1-10. We will first talk about teen numbers as "10 ones and some ones," and extend that understanding to writing teen numbers. Finally, we will count to 100 by ones and by tens using various strategies.

Grade Level Standards

K.CC.1, K.CC.2, K.CC.3, K.CC.4 K.CC.5, K.NBT.1

Student Report Card

- COG-2: Number Sense of Quantity

Key Vocabulary

- Counting to 100 in two different ways:
    - Regular counting by tens: "ten, twenty, thirty", etc.
    - "Say Ten" way of counting to 100: "1 ten, 2 tens, 3 tens", etc.
- Hide Zero Cards – cards used to teach and reinforce place value concepts
- 10 ones and some ones – a way to talk about teen numbers that emphasizes groups of ten as the basic place value concept (10 ones and 5 more ones make 15)
- "Say Ten" way of counting - e.g. "ten-one, ten-two, ten-three" instead of "eleven, twelve, thirteen"
- Familiar Terms: Number bonds, Number towers, 5-Group, Ten frame, Part/Whole/Total
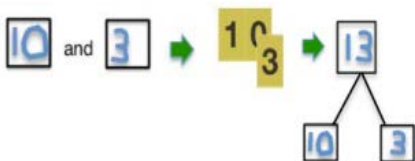
How you can help at home:

- Review and practice counting numbers up to 100, or as high as possible
- Talk about the numbers 11-19 with your student as "10 ones and _____ ones"
- Practice counting by ten in two ways: "ten, twenty, thirty" and "1 ten, 2 tens, 3 tens"
- Use cereal pieces to solve the following problem: Andrew has 10 pieces of candy. His mom gives him 3 more pieces of candy. How many does he have now?
- How old are you now? Subtract one from that number and record it. Add 3 to that number and record it.
- Practice counting backwards from 100.
- Practice skip counting to 100 by 10s.

Models and Representations

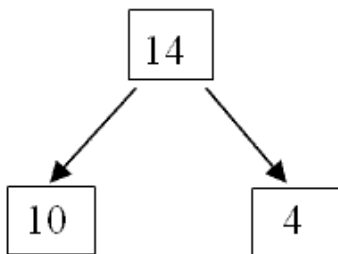## Ways to show understanding of numbers 11-20 and count to 100 by ones and tens

Hide Zero Cards

These cards show the real value of the digits in teen numbers. The one is actually 10 – the zero is hidden by the number representing the ones.
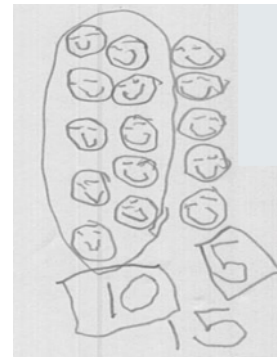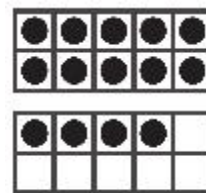

Number Bonds

Number bonds were introduced in Module 4 to show Part/Part/Whole relationships. They are now being used to show the ten in teen numbers. Teen numbers are ten plus some more ones.

10 Groups or 10 Frames

Students circle 10 items in a group of items or use 10 groups or 10 frames to show that a teen number is 10 and some more ones.

10 + 4 = 14

Count Up and Count Down

Students explore beyond the teen numbers up to 100. They can count the regular way (10, 20, 30, etc.) and the Say Ten way (ten, 2 tens, 3 tens, etc.) They also learn that the number sequence 0-9 is repeated as they count to 100.