

Math Connections for Parents

Grade 1 Module 4

Place Value, Comparison, Addition and Subtraction to 40

Welcome to Module 4 of First Grade Math. In Module 3, students will work with place value from 0-20, especially in addition and subtraction of numbers to 40. Students compare numbers using greater than $>$ and less than $<$ signs. And eventually, students will build on adding one-digit numbers and begin to add two-digit numbers.

Important Words and Concepts

- $>$ (greater than)
- $<$ (less than)
- Place value: the digits in a particular place within a number

tens	ones
3	4

Place Value Chart

- Equal ($=$)
- Numerals: numbers

Sums and Differences to 10

Students continue to work on mastering the addition and subtraction facts 0-10. Students who are ready may begin to work on facts 10-20. The quick recall of these basic facts will help students as they add and subtract one and two-digit numbers.

KEY STANDARDS

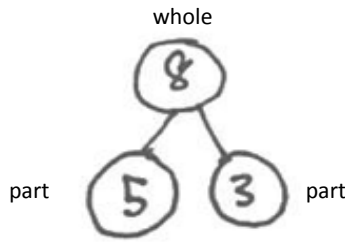
- Use addition and subtraction to solve word problems
- Count to 120, starting at any number less than 120.
- Understand that the two digits of a two-digit number represents tens and ones.
- Compare two two-digit numbers with symbols greater than ($>$), less than ($<$) and equal ($=$)
- Given a two-digit number, mentally find 10 more or 10 less than the number.
- Add and subtract within 100 using models, drawings and strategies to solve.

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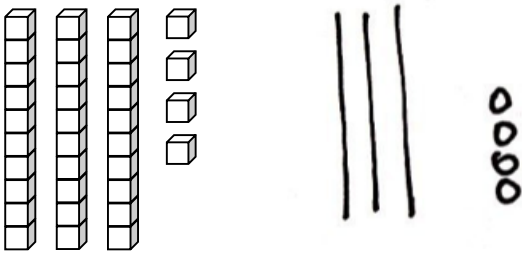
Graphics and Strategies you may see...



Number bonds will continue to be used to show the relationship between adding and subtracting numbers.

Place Value Chart

tens	ones

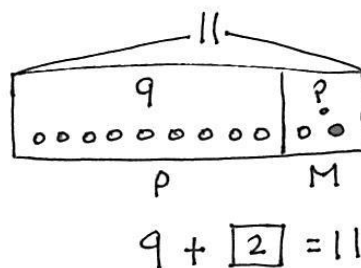


Students will first use **Base 10 Blocks** to model a number. When they write on the paper, students will be asked to make a **Quick Ten**, by drawing straight lines for a ten and circles for one.

Arrow Notation is another way to show adding to a number. It shows the spaces that would be moved on a number line to get to the desired number.

$$13 \xrightarrow{+10} \underline{23}$$

Students are taught a **Tape Diagram** as a strategy to solve a word problem. For example, *9 dogs were playing at the park. Some more dogs came to the park. Then there were 11 dogs. How many more dogs came to the park?*



Two more dogs came to the park.