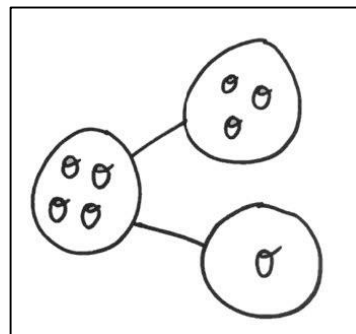




A Story of Units...

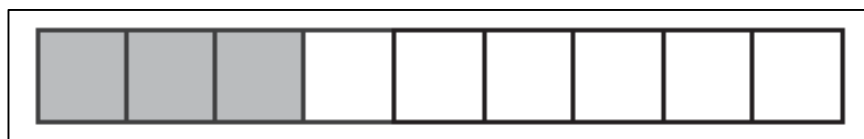
Addition and Subtraction to 10

Our students will extend their counting and cardinality skills to include addition and subtraction skills this quarter. On the right, is an example of a number bond that represents 3 and 1 as parts of 4. We will begin with concrete modeling and transition to more abstract equations for addition and subtraction. This quarter will set a strong foundation for the applications of addition and subtraction to come.




In Module 4 we will:

- **Model** combining and taking apart numbers to 10 with actions, objects, stories, and drawings
- **Transition** to representing compositions and decompositions as equations
- **Solve** addition and subtraction problems
- **Extend** our understanding of addition and subtraction by solving problems with unknowns
- **Observe** patterns when adding 0 or 1 to a number.



Linking cube sticks, like the one above, illustrate part-part-whole relationships. This one demonstrates 3 and 6 as parts of 9.

Enrichment Activities

In school, your child will...	At home, your child can...
<p>Play Make 5 Matching Game where students take turns flipping over pairs of 0, 1, 2, 3, 4, 5 number cards and keeping the cards if they add up to 5.</p> <p>Use their linking cubes in groups to make sticks representing different addition and subtraction scenarios.</p>  <p style="text-align: center;">4 and 2 = 6</p> <p>Practice switching between linking cubes, equations, and number bonds to express math stories.</p>	<p>Be given a couple objects and asked to show how many more are needed to make 10.</p> <p>Answer “how many do we have in all” or “how many more do we need” questions when cooking, grocery shopping, packing for a trip, etc.</p>

Focus Standards for Mathematical Practice

- Make sense of problems and persevere to solve them
- Reason abstractly and quantitatively; students represent quantities with numerals
- Model decompositions by drawing and writing (such as 3 can be broken into 1 and 2)
- Use tools strategically and appropriately
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Fluency Focus

Students are continuing to practice number fluency and in this module the focus shifts to number partners within 10. This number fluency becomes especially important later on when they will be asked to solve addition and subtraction story problems.

