MATH NEWS

Grade 1, Module 2, Topic D — Fall 2014

1st Grade Math

Module 2: Introduction to Place Value Through Addition and Subtraction within 20

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 2 of Eureka Math (Engage New York) covers Place Value Through Addition and Subtraction within 20. This newsletter will discuss Module 2, Topic D.

Topic D. Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones

Words to know

- A Ten
- 5-Groups
- Teen Numbers
- Ones
- Partners to Ten
- Decompose

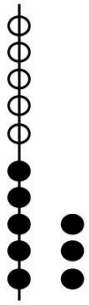
1. Decompose – is to break numbers apart
2. Partners to Ten – two numbers that when added together make 10
3. Teen Numbers – numbers between 10 and 20
4. A Ten – 10 ones = a ten = 1 ten
5. 5 – Groups – one group of 5

Objective of Topic D

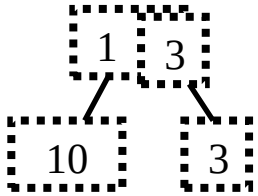
1. Identify 1 ten as a unit by renaming representations of 10.
2. Solve addition and subtraction problems decomposing and composing teen numbers as 1 ten and some ones.
3. Solve addition problems using ten as a unit, and write two-step solutions.
4. Solve subtraction problems using ten as a unit, and write two-step solutions.

Focus Area– Topic D

Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones



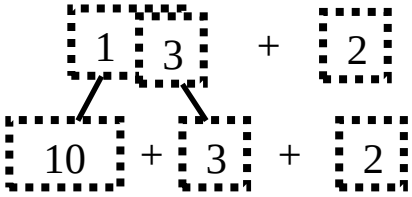
Students will learn and understand that the 1 in the tens place is represented as both 10 ones and 1 unit of ten.



Is the same as 1 ten 3 ones.

Students will learn and understand how to **decompose** a number to solve addition and subtraction problems.

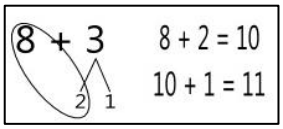
13 + 2



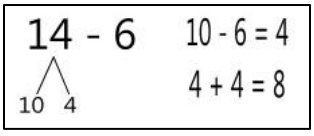
10 + 3 + 2 = 15

Students will also decompose numbers to make **a ten**.

8 + 3 = ?



Decompose the 3 into 2 + 1, add the 8 + 2 to make a 10 then add the 1. 8 + 2 = 10, 10 + 1 = 11



In the number 14 there are 1 ten and 4 ones. Where should you take the 6 from the 4 or the 10? The 10! How many are left over when we take 6 from 10? 4 ones. Did we have any left over from the starting number (14)? Yes we had 4 ones. Put them together, 4 ones + 4 ones = 8 ones or 4 + 4 = 8