



# MATH NEWS



Grade 2, Module 1, Topic A

## 2<sup>nd</sup> Grade Math

*Module 1: Sums and Differences to 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 4 of Eureka Math (Engage New York) covers Sums and Differences to 20. This newsletter will discuss Module 1, Topic A.

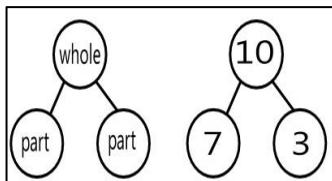
Topic A. Foundations for Addition and Subtraction  
Within 20

### Words to know

- Make 10
- Number Bond
- Say Ten Counting
- Ten Frame
- Rekenrek
- Hide Zero Cards

### Things to remember!!!

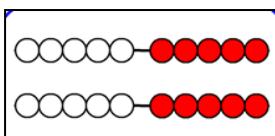
#### Number bonds



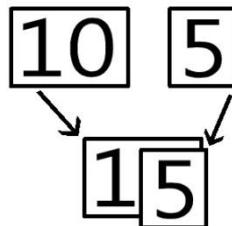
#### Say Ten Counting

$$\begin{aligned} \text{ten one} &= 11 \\ \text{ten two} &= 12 \end{aligned}$$

#### Rekenrek



#### Hide Zero Cards



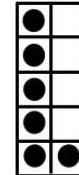
## OBJECTIVE OF TOPIC A

- 1 Make number bonds of ten.
- 2 Make number bonds through ten with a subtraction focus and apply to one-step word problems.

## Focus Area of Topic A

*Foundations for Addition and Subtraction within 20*

Students will begin by using **ten-frame** cards. This is a ten-frame card. The card has 10 places to hold dots. This card only has 6 dots and we need 4 more to **make 10**.  $6 + 4 = 10$



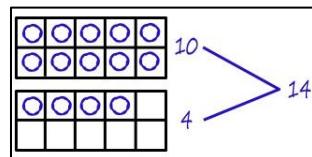
A cashier puts exactly 10 bills inside each envelope. How many more bills does she need to put in the following envelopes?

An envelope with 8 bills. She needs 2 more to make ten.  
An envelope with 4 bills. She needs 6 more to make ten.

Complete each number bond to make 10. Write at least one addition and one subtraction sentence to accompany each bond. Lesson 1 focuses on the many ways to make 10. Students will also discover the relation between addition and subtraction sentences.

	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{7} + \underline{3} = \underline{10}$ $\underline{10} - \underline{7} = \underline{3}$

Use the ten-frame way to show why this strategy works for  $10 + 4 = 14$



Jessie has a bag of marbles. There were 4 yellow marbles, 7 white marbles, and 3 blue marbles. How many marbles in all? Show your thinking using words, math drawings, or a number sentence.

$$\begin{array}{c} 4 + 7 + 3 = 14 \\ \diagdown \quad \diagup \\ 10 \\ 4 + 10 = 14 \end{array}$$

Looking at the addition sentence we can make a 10 using 7 and 3. This student used the make 10 strategy to solve the word problem.