

# MATH NEWS

Kindergarten, Module 4, Topic H

## Kindergarten Math

Module 4: Number Pairs, Addition and Subtraction to 10

### 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 Number Pairs, Addition and Subtraction to 10. This newsletter will discuss Module 4, Topic H.

Topic H. Patterns with Adding 0 and 1 and Making 10

### Words to know

- Quantity
- One More
- One Less
- No More
- None
- Next Number

### Objective

In Topic H, students will represent addition and subtraction with objects, fingers, mental images, drawings, and sounds. They will also solve addition and subtraction problems, and add and subtract within 10. Students will also practice the make ten strategy. They will be given any number from 1 to 9 then find the number that makes 10 when added to that given number.

9 and 1 make 10    6 and 4 make 10    3 and 7 make ten

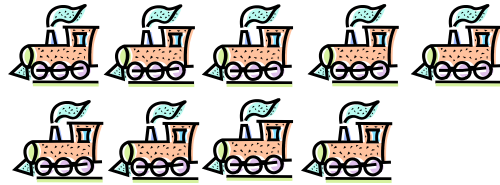
## OBJECTIVE OF TOPIC H

- 1 Add or subtract 0 to get the same number and relate to word problems wherein the same quantity that joins a set, separates.
- 2 Add 1 to numbers 1–9 to see the pattern of the next number using 5-group drawings and equations.
- 3 Find the number that makes 10 for numbers 1–9, and record each with a 5-group drawing.
- 4 Find the number that makes 10 for numbers 1–9, and record each with an addition equation.
- 5 Culminating task—choose tools strategically to model and represent a stick of 10 cubes broken into two parts.

## Focus Area– Topic H

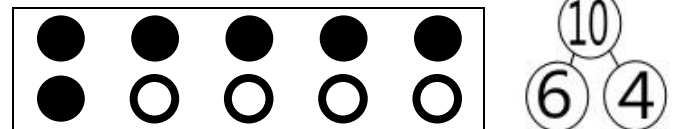
Patterns with Adding 0 and 1 and Making 10

Students will learn that adding or subtracting zero does not change the quantity.



$$9 - 0 = 9$$

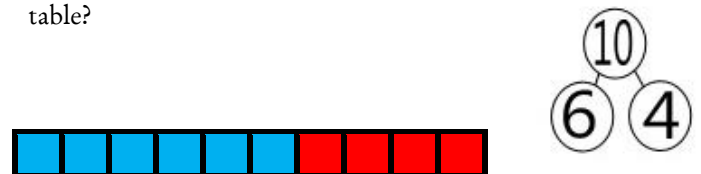
The main focus is counting to ten. Students will count the number of circles then draw the additional circles needed to make a ten then complete the number bond..



They will also fill in the blanks for an addition sentence to match the model.

$$\boxed{6} + \boxed{4} = 10$$

Color 6 blocks blue and the rest red. All of the blue blocks fell off the table. How many blocks are still on the table?



$$\boxed{10} - \boxed{6} = 4$$