



# MATH NEWS



Kindergarten, Module 4, Topic F

## 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 F.

Topic F. Addition with Totals of 9 and 10

### Words to know

- Add
- Subtract
- Total
- Addition
- Subtraction
- Addends

### Objective

In Topic F, students will solve addition and subtraction word problems, and add and subtract within 10. Students will use drawings or objects to represent the problem. They will also connect their understanding of number pairs for 9 and 10 to addition expressions and equations. They will also become more experienced in using the term addition sentence and subtraction sentence.

Students will become familiar with the term 5-group. They will practice adding and subtracting numbers to 5 quickly and accurately.

$$5 + 4 = 9 \text{ and } 5 + 5 = 10$$

## OBJECTIVE OF TOPIC F

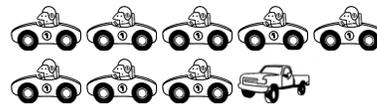
- 1 Represent pictorial decomposition and composition addition stories to 9 with 5-group drawings and equations with no unknown.
- 2 Represent pictorial decomposition and composition addition stories to 10 with 5-group drawings and equations with no unknown.
- 3 Solve add to with total unknown and put together with total unknown problems with totals of 9 and 10.
- 4 Solve both addends unknown word problems with totals of 9 and 10 using 5-group drawings.

## Focus Area- Topic F

Addition with Totals of 9 and 10

Tommy found 8 cars and 1 truck. He found 9 toys. Draw the toys in the 5-group way. Fill in the number sentence.

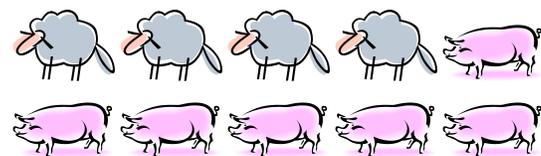
Students will draw the pictures starting with a row of 5. There are 5 cars in the first row and 3 cars in the second. 8 cars + 1 truck = 9 vehicles Tommy found.



After they have finished drawing the pictures they will write the addition problem.

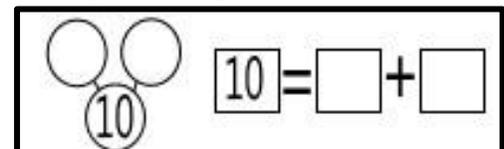
$$\boxed{8} + \boxed{1} = \boxed{9}$$

Cory had 4 sheep and 6 pigs on the farm. She had 10 animals all together. Fill in the number bond and complete the number sentence.



The animals above are arranged the 5-group way. Students will complete a number sentence and number bond by looking at a set of pictures given to them.

Students will be given a template to write the answer.



Below is the answer to the problem.

