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 Introduction to Place Value Through Addition and Subtraction within 20. This newsletter will discuss Module 2, Topic C.

Topic C. Strategies for Solving Change and Added Unknown Problems

Words to know

- More
- Part

Solve put together/take apart unknown addend

Charlie ate 5 green apples and some red apples this week. If he ate 12 apples in all, how many red apples did he eat?
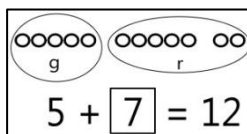
Begin by drawing as much of the math story possible. Charlie ate 12 apples. Draw 12 circles to represent the 12 apples. 5 of the apples Charlie

ate are green. Are these 5 **more** apples, or are they **part** of Charlie's 12 apples? They are part of Charlie's apples. Circle them and label them green (g) to show that is part is green. How many apples are left? 7 Write as a number sentence: 5 + 7 = 12. Write as a statement: *Charlie ate 7 red apples.*

OBJECTIVE OF TOPIC C

1	Solve put together/take apart with addend unknown word problems and relate counting on to the take from ten strategy.
2	Solve add to with change unknown problems, related varied addition and subtraction strategies.
3	Strategize to solve take from with change unknown problems.
4	Strategize and apply understanding of the equal sign to solve equivalent expressions.

Focus Area– Topic C

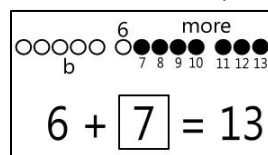*Strategies for Solving Change and Added Unknown Problems*

Things to remember!!!

RDW means **R**ead, **D**raw, and **W**rite.

1. Read the problem.
2. Draw the problem (number bonds, pictures)
3. Write the solution (number sentence, sentence with answer – Charlie ate 7 red apples.)

Solve add to with change unknown

There were 6 birds on a branch. Then there were 13 birds on a branch. How many birds came?
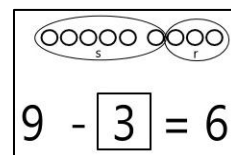

There were 6 birds on the branch, more came and there were 13. Draw 6 circles. Count on to 13 drawing a different shape or each time a number is said. There are 13 birds, is this part of the birds or more birds? It's the total number of birds. How many birds came? 7   Number sentence: 6 + 7 = 13. Statement: *7 more birds came.*

Solve take away from with change unknown

There are 9 cats in the yard. Some ran away. Now there are 6 cats in the yard. How many ran away?
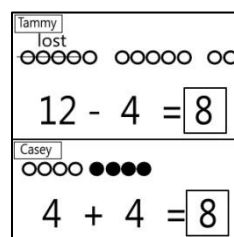
Draw 9 shapes, circle and label the 6 that remained. How many cats ran away? 3 Number sentence: 9 – 3 = 6 Statement: *3 cats ran away.*

Equal signs to solve equivalent expressions

Tammy had 12 dolls and lost 4. Casey has 4 dolls and her mom gave her 4 more. Who has more dolls, Tammy or Casey?

Tammy had 12 and now she has 8. Casey had 4 and now she has 8. Both girls have the same number of dolls.

$$12 – 4 = 4 + 4$$
$$8 = 8$$

They have the same number of dolls.