## Eureka Math Tips for Parents

## Grade 1 Module 2

Introduction to Place Value using Addition and Subtraction up to the number 20

In this module we will extend our work with addition and subtraction to the numbers 1-20, and learn some new strategies along the way.

How you can help at home:

- Continue to practice finding partners for any given number, e.g. how can we make 8 ? 10 ?
- Talk about how we can find "tens" in other, larger numbers
- Make up and discuss short story problems that involve simple addition and subtraction
- Consider reading London, J. Illustrated by M. Moore. Count the Ways, Little Brown Bear


## Key Words and

## Ideas in this Module:

Units we will use:

- $\AA$ ten (students will focus mainly on one ten during this module
- Ones (these are
individual units, ten of
which become a ten)

Mathematical words:

- Add
- Subtract
- Equals
- "Treen Numbers", e.g. $13,15,19$, etc.
- Partners to 10 - two numbers that together make 10
- 5 groups - representations of numbers that are lined up
in groups of 5
- Number bonds - a
pictorial representation of how two or more smaller numbers can be combined to make a larger number
Rekenrek - see reverse


## Key Standards:

- Represent and solve problems using addition and subtraction
- Understand and apply properties of operations and the relationship between addition and subtraction (e.g. $3+2=2+3$, and $2+6+4=2+10$ )
- Add and subtract within 20
- Understand place value


Spotlight on Math Models:

## Rekenreks

## Students will use

this tool to represent numbers in more and complex ways as they grow.

## A Story of Units has several key mathematical "models" that will be used throughout

 a student's elementary years.The rekenrek is a kind of abacus that was developed in The Netherlands but has many variations in other world cultures. In A Story of Units, rekenreks are used starting in kindergarten first as models of numbers 1-5. Later, the white and red beads are used to illustrate numbers up to 10 , and then 20.

There are a variety of skills that students can practice on the rekenrek, including simple counting, skip counting, and eventually beginning addition and subtraction concepts. In the beginning of first grade, we use the rekenreks to model decomposing and composing numbers as we both add and subtract.

Using the Rekenrek:
Students can easily see groups of both 5 and 10, and can move the beads to show their counting and thinking as they put numbers together and take them apart (compose and decompose numbers).


Thirteen is seen as " 10 and 3 more"

