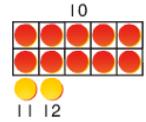Hillsborough County Public Schools
Elementary Mathematics Parent Connection

Grade 1 – Unit 3: Addition and Subtraction Strategies [Part Two]

In this unit your child will work to build an understanding of the following:

- Making a ten to add and subtract
    - This strategy is based on the concept of ten and the understanding that numbers from 11 to 20 can be expressed as ten and some more.
    - A tool called a *ten frame* helps children keep track when counting 10 or more objects.
        - The ten frame visually shows two rows of 5. Counters are placed from left to right in each row to reinforce one-to-one correspondence.
        - This example shows one group of 10 and 2 more to represent the number 12.
    - Decomposing (or breaking apart) numbers allows students to simplify addition and subtraction by making a ten and then adding or subtracting the remaining amount.
    - Although numbers can be added in any order, the greater addend is generally modeled inside the ten frame to make this strategy more efficient.

- Using addition facts to think about subtraction
    - Students will use an addition fact they already know to solve a related subtraction fact. Since the facts will use the same numbers, an addend of the addition fact will be the difference (answer) for the subtraction fact. For example: $6 + 2 = 8$, so $8 - 2 = 6$

- Adding three numbers
    - The Associative Property of Addition states that when you add three or more numbers, you can group the numbers in any way without changing the sum.

Check out the "Parent Quick Smarts" video by scanning the QR code or the Internet link provided.

https://www.youtube.com/watch?v=SII2JqgzT

Other Helpful Links:

http://goo.gl/nrguau - Interactive math tools - counters
(ten frame icon at bottom left of page)

http://goo.gl/sgThny - Animated Lessons
- Skill 17: Make a Ten to Add
- Skill 18: Add Three Numbers
- Skill 20: Think Addition to Subtract

http://www.mathplayground.com/number_bonds_10.html - Making ten game

http://goo.gl/Hk5wqc - Adding Games
Country Countdown, Counting Critters
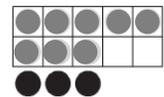- Q. Make 10 to Add
- R. Add 3 Numbers to 20

Sample tasks your child should be able to work through by the end of the unit:

Circle the two addends you add first and explain your thinking. Find the sum.
8 + 2 + 4 = _____

Use the ten frame to show how to make a ten and add.
8 + 3 = _____

Mark finds the difference of 15 – 6. Write a related addition sentence that Mark can use to check his answer.