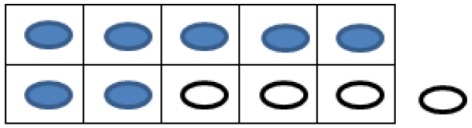
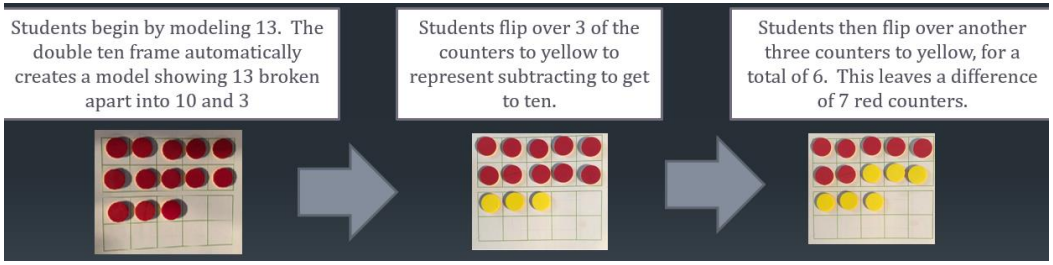
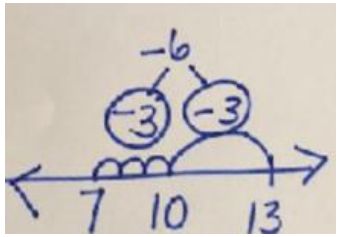
Grade 2

Building Understanding and Fluency within 20

Overarching Student Learning Goals In this unit, your child will work to build an understanding of the following:	**Resources/Tasks to support your child at home.**
Using Ten to Add Given the problem 7 + 4 the student thinks… I know 7 + 3 makes 10 so 7 + 4 = 11.  (Students might use a ten frame to model this strategy.)	• Task: John had 7 red jelly beans and 5 blue jelly beans. How many jelly beans does John have? Explain how you can use ten to add. • Digital games (levels 1 and 2) to practice **addition** fluency http://goo.gl/M88wa
Using Ten to Subtract 13 - 6 = ?  Number lines are a more abstract way for students to represent their thinking.  	• Task: Kelly had a bag of 12 jelly beans. 4 are green and the rest are yellow. How many jelly beans are yellow? Explain how you can use ten to subtract. • Digital games (levels 1 and 2) to practice **subtraction** fluency http://goo.gl/CIXvF

For more information on the learning goals and your child's progress, please contact your child's teacher.

Grade 2

Using Doubles to Add and Subtract.

Given 2 + 3 = ☐

If I know 2 + 2 = 4, then I know 2 + 3 is one more so it equals 5.

$2+2=\square$ so $2+3=\square$

Given 17 - 8 = ☐

Student uses addition doubles fact to solve the subtraction problem.

I know 8 + 8 = 16 so 8 + 9 = 17.

17 – 8 = 9

$8+8=\square$ so $8+9=\square$

- Students need to have their doubles mastered before they can use doubles to add and subtract. Look for real-word examples of doubles with your child.
  Examples:
  -fingers on your hands 5 + 5
  - legs on a ladybug 3 + 3
  -rows of eggs in a carton 6 + 6
  -days in 2 weeks 7 + 7

- Learn Zillion Video: Use Doubles to Add and Subtract Within 20 https://bit.ly/2KBsGj0

Building Fluency

Games or flash cards allow student to apply strategies with the goal of becoming fluent with facts to 20 by the end of 2nd grade. Continued practice throughout the year will be needed.

Player 1	7+ 7 = 14

Player 2	9+ 6 = 15

Fluency is the ability to recall facts without relying on counting strategies.

- Greg Tang Math: Math Limbo – game to practice facts http://gregtangmath.com/mathlimbo

- Using dice, roll 2 or 3 single digit numbers and add them together.

- Using a deck of cards – Addition War
  -make the ace 1 and remove face cards
  -2 players
  -each player flips 2 cards and adds to find the sum
  -the player with the greater sum keeps all 4 cards