MATH NEWS

Grade 2, Module 5, Topic C 2014-2015

2nd Grade Math

Module 5: Addition and Subtraction within 1,000 with Word Problems to 100

Math Parent Letter

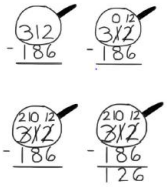
This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 5 of Eureka Math (Engage New York) covers strategies for decomposing tens and hundreds within 1,000. This newsletter will discuss Module 5, Topic C.

Focus Area Topic C:

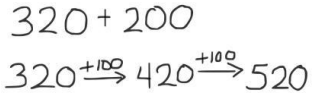
Strategies for Decomposing Tens and Hundreds Within 1,000

Words to Know:

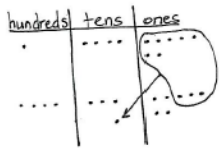
Vertical Method- Strategy used to solve addition and subtraction problems.



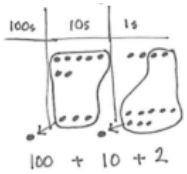
Arrow Way – Strategy used to solve addition and subtraction problems.



Number Disk – Strategy used to solve addition and subtraction problems.



Unbundle - decompose a 10 or 100



OBJECTIVES OF TOPIC C

1. Relate manipulative representations to the subtraction algorithm, and use addition to explain why the subtraction method works.
2. Use math drawings to represent subtraction with up to two decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works.
3. Subtract from multiples of 100 and from numbers with zero in the tens place.
4. Apply and explain alternate methods for subtracting from multiples of 100 and from numbers with zero in the tens place.

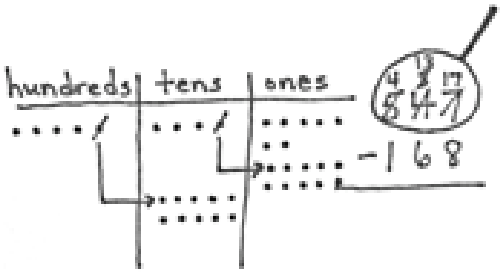
Focus Area– Topic C

Strategies to Subtract Numbers

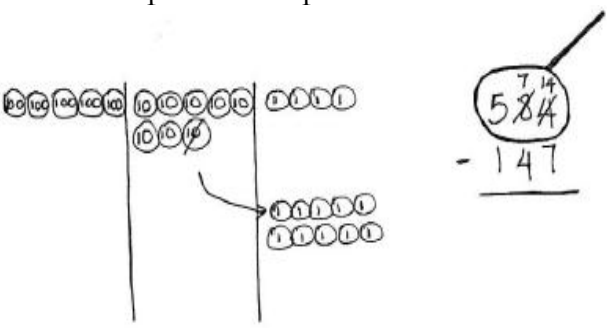
Students continue to build on Module 4's work, now decomposing tens and hundreds within 1,000. Students relate manipulative representations to the algorithm, then transition to making math drawings in place of the manipulatives.

Students model decompositions with number disks on their place value charts while simultaneously recording these changes in the written vertical form.

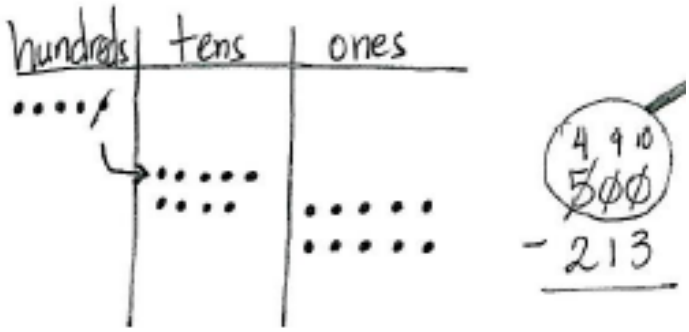
Students unbundle a ten to make 17 ones. Then, the students unbundle a hundred to make 13 tens and are now able to subtract. The students can add to check their work using the remaining dots.



Students transition to making math drawings, thus completing the move from concrete to pictorial representations.



Students focus on the special case of subtracting from multiples of 100 and numbers with zero in the tens place.



Students use the count up method by using parts of the number and use an arrow to show counting to the next part.