

# 2<sup>ND</sup> GRADE MATH NEWSLETTER



Nov. & Dec. 2015

## Our Unit 2 Math Concepts

- × Recognize that in a group of even numbers objects can be counted by 2s and that in groups of odd numbers objects will not pair up evenly.
- × Write an equation to illustrate that all even numbers can be formed from the addition of two equal addends (doubles facts.)
- × Add up to four two-digit numbers based on place value and properties of operations.
- × Count within 1000 by ones, 5s, 10s and 100s beginning at any multiple of 1, 2, 10, or 100 (e.g., begin at 505 and skip count by 5 up to 605, or begin at 600 and skip count by 100 up to 1000).
- × Add and subtract fluently within ten using mental strategies (within 10).
- × Use a variety of strategies (place value, properties of operations, and/or the relationship between addition and subtraction) to add and subtract within 50.

### Strategies for Addition

A second grader may solve addition problems in many different ways. All of the strategies we teach are based on place value. The sequence in which we teach addition is based on understanding place value and number sense in an alternative strategy, and then teach our students the standard algorithm (how we all learned how to add when we were in school.) Our intentions are to have students understand place value and apply that understanding to the standard algorithm.

Here are some alternative strategies we teach:

- [Base-Ten Pieces](#)
- [Composing/Decomposing](#)
- [Open Number Line](#)
- [Friendly Numbers \(Compensation\)](#)
- [Commutative Property](#)

Be sure to have your child share their strategy with you!

### Frequently Asked Questions

- › *When does Common Core have my children add and subtract the way I learned?*
- › Common Core State Standards follow a specific path. CCSS first have children working with the standard algorithm in 4th grade. Until then, students work with strategies based on place value. If you are interested you can find more information on the state website:

<http://www.state.nj.us/education/modelcurriculum/math/2u2.pdf>

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