

# 3<sup>RD</sup> GRADE MATH NEWSLETTER



Nov. & Dec. 2015

## Our Unit 2 Math Concepts

- ✗ Recognize the Commutative, Associative, and Distributive Properties as strategies to add and multiply whole numbers.
- ✗ Solve division of whole numbers by representing the problem as an unknown factor problem.
- ✗ **Multiply and divide within 40 using strategies such as the relationship between multiplication and division.**
- ✗ Use multiplication within 100 to solve word problems using measurement quantities by creating drawings or arrays.
- ✗ Use multiplication within 100 to solve word problems modeled as equal groups or arrays by writing equations to represent equal groups or arrays.
- ✗ Recognize arithmetic patterns in addition or multiplication tables and explain the pattern using the properties of operations.
- ✗ Use the area model (with rectangles) to explain the Distributive Property.
- ✗ Recognize area as additive. Find areas of rectilinear figures by decomposing them into nonoverlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems.

### Multiplication

A third grader may solve multiplication and division problems in many different ways. The strategies we teach are based on modeling and understanding place value. The standard algorithm (the way we learned how to multiply) is taught after these strategies when students have a better understanding of place value. Here is more information on teaching multiplication and division using alternative strategies mentioned in the Common Core State Standards.

#### Multiplication and Division Strategies:

- [Equal Groups](#)
- [Arrays](#)
- [Area Model](#)
- [Properties of Operations](#)
- [Using the Distributive Property](#)

### Math Facts!

› Continue to practice the multiplication table with your child so they master their facts. Quiz them in the car or any free time.

There are some great sites online:

[Fact Monster](#)

[PlayKidGames](#)

[Math Facts Pro](#)

[IXL](#)

### i-Ready at Home

Don't forget you can log-on to i-Ready at home and complete more lessons!

<https://cainc.i-ready.com/>