

**First Grade
Trailblazers Unit 4
“Adding to Solve Problems”**

State Goals and Objectives Met in Unit 4:

1.01, 1.02, 1.03, 1.04, 2.02, 3.01, 4.01

What North Carolina expects your child to learn:

<http://www.ncpublicschools.org/curriculum/mathematics/scos/2003/k-8/14grade1>

How Math Trailblazers meets the state’s goals (Click to pg 8):

<http://www.kendallhunt.com/uploads/2/CORR-NC-MTB2.pdf>

What your child will do in this unit:

1. Students use manipulatives to explore even and odd numbers.
2. A pet shop activity provides a setting for the students to discuss and solve addition problems. The part-whole concept and related language are also introduced. Students use calculators.
3. Students write addition number sentences for the numbers 11 and 12.
4. Students learn about the differing *Counting-On Strategies*, connecting cubes, counters, and calendars.

How you can help your child:

- ✓ Click on and do parent and child activity⇒ [Counting On](#)
- ✓ Ask teacher if she/he needs egg cartons, breakfast cereal, pennies, nickels, and dimes for Unit 5
- ✓ Allow your child to play with a calculator. When solving addition problems, have your child explain why he or she used certain keys and why the order was important.
- ✓ Encourage you child to count and tally objects at home. Your child can tally road signs, trees, or houses on the street.

Unit Vocabulary

<i>even number</i>	<i>odd number</i>	<i>add</i>	<i>part</i>	<i>plus</i>
<i>whole</i>				

First grade glossary link: http://www.kendallhunt.com/uploads/2/MTB_Gr1_Glossary.pdf

Manipulatives and Supplies

What your child will use:

Lesson 1	Lesson 2	Lesson 3	Lesson 4
connecting cubes	calculator	Per Student Pair: assorted connecting cubes and counters. scissors	Per Student Pair: 20 connecting cubes or counters, large paper cup

Unit Assessment Indicators

What your child is expected to learn:

- Can students write number sentences for addition situations?
- Can students partition numbers into two and three parts and represent them with number sentences?
- Can students solve addition problems?
- Can students create a story for an addition number sentence?
- Can students identify odd and even numbers?
- Can students use a calendar to measure the passage of time?

Student Friendly Books/Unit Literature:

- *Rooster's Off to See the World* by Eric Carle
- *12 Ways to Get 11* by Eve Merriam

Websites to Explore

- Practice addition - <http://www.rainforestmaths.com/> Click on Level B and choose "Addition" on the first row. Do the first two activities in the list on the left.
- More Addition Practice: <http://www.dositey.com/addsub/addition.htm> Click on problem solving.
- Addition Surprise – <http://www.harcourtschool.com/activity/add/add.html>

Helpful Computer Programs:

Unit 4—Adding to Solve Problems

Combining and Breaking Apart Numbers provides practice with different number combinations that make up a target number.

Math Concepts One . . . Two . . . Three! provides practice with number sense, through counting, estimation, comparing and ordering numbers, as well as addition and subtraction with manipulatives and money.

Mighty Math Carnival Countdown provides practice with place value, counting, and basic operations, as well as sorting sets by various attributes, including numbers by size, more and less, and even and odd.

Mighty Math Zoo Zillions provides practice with basic operations while manipulating a fish in a tank, rounding, skip counting, and identifying even and odd numbers, as well as word problems.

Sunbuddy Math Playhouse provides practice with basic addition and subtraction facts.