



Second Grade

The components of the Second Grade Mathematics program are *Investigations in Number, Data, and Space* and *Number Corner*.

“*Investigations in Number, Data, and Space* is a K-5 mathematics curriculum designed to engage students in making sense of mathematical ideas. Six major goals guided the development of this curriculum. The curriculum is designed to:

- Support students to make sense of mathematics and learn that they can be mathematical thinkers.
- Focus on computational fluency with whole numbers as a major goal of the elementary grades.
- Provide substantive work in important areas of mathematics- rational numbers, geometry, measurement, data, and early algebra- and connections among them.
- Emphasize reasoning about mathematical ideas.
- Communicate mathematics content and pedagogy to teachers.
- Engage the range of learners in understanding mathematics.

Underlying these goals are three guiding principles:

1. Students have mathematical ideas.
2. Teachers are engaged in ongoing learning.
3. Teachers collaborate with the students and curriculum materials.”

Pearson Education, K-5, 2008

“*Number Corner* Grade 2 complements the instruction in *Investigations*. The *Number Corner* provides a year’s worth of daily practice with the following skills and concepts:

sorting and patterning, addition and subtraction facts to 20, place value, 2- and 3- digit addition and subtraction, fractions, graphing, 2- and 3- dimensional shapes, time, and money. Students encounter increasingly complex challenges in the form of engaging games and daily puzzles. They create and pattern their own calendar markers in some months and solve mystery patterns in others. Students use coins, tile, and Unifix® cubes to create visual models that help them understand concepts including place value, patterning, odd and even numbers, and much more. The student book provides additional practice with these and other concepts. Number Corner routines take an average of 15-20 minutes per day.

Number Corner, Second Grade 2000

Website for Investigations: <http://investigations.terc.edu/>

Website for Number Corner: <http://www.mathlearningcenter.org/curriculum/elementary/number-corner.asp>

[Grade Two Expectations](#)