



## Fourth Grade

The components of the Fourth 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 4 complements the instruction in *Investigations*. The *Number Corner* provides a year’s worth of daily practice with the following skills and concepts: multiplication and division facts through  $12 \times 12$  and  $144 \div 12$ , place value to 10,000, rounding and estimation, multi-digit computation ( $+$ ,  $-$ ,  $\times$ ,  $\div$ ), understanding fractions and decimals, patterns and algebraic reasoning, measurement, area and perimeter, organization and analysis of data and graphs, probability with spinners and tile sampling. Students encounter increasingly complex challenges in the form of engaging patterns, problems and activities. A student workbook provides opportunities for independent practice, and quarterly assessment opportunities help teachers evaluate students’ progress throughout the year. *Number Corner* also features a set of support activities that can be used as needed with individual students to strengthen specific skills and concepts. *Number Corner* routines take an average of 15-20 minutes per day.

*Number Corner, Fourth Grade 2000*

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

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

[Grade Four Expectations](#)