

LINCOLN PUBLIC SCHOOLS
Mathematics Learning Expectations: Grade 1

**Massachusetts
Standards**

The 2011 Massachusetts Curriculum Framework for Mathematics incorporates the common core standards and a select number of additional standards unique to Massachusetts.

**Critical Areas for
Instructional Focus:**

- Addition and subtraction
- Place value
- Linear measurement
- Geometric shapes

*See 2011
Massachusetts
Curriculum
Frameworks for
Mathematics:
Grade 1 Introduction
for more detail.*

Content Domains and Key Outcomes

Operations and Algebraic Thinking

- Represent and solve story problems involving addition and subtraction within 20
- Add and subtract fluently within 10
- Understand the meaning of the equal sign; determine unknown values in addition and subtraction equations

Number and Operations in Base 10

- Read, write and use numbers within 120
- Represent two-digit numbers as groups of tens and ones, compare two-digit numbers
- Apply place value understanding within 100 to add and subtract

Measurement and Data

- Measure and compare lengths using nonstandard tools
- Represent and interpret data with up to three categories
- Tell and write time in hours and half hours
- Identify and compare the values of U.S. coins and use them to solve problems

Geometry

- Identify geometric attributes of shapes
- Combine and break apart shapes into halves and fourths

See 2011 Massachusetts Curriculum Frameworks for Mathematics: Grade 1 for more detail.

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.

8. Look for and express regularity in repeated reasoning.

*See 2011 Massachusetts Curriculum Frameworks for Mathematics:
pp.15-17 for more detail on the use of these standards in all domains.*