

School: Oakwood Elementary School

Test Date: December 10, 2009 10:28 AM

## Stone, Lisa

ID: LSTONE  
Grade: 4

Class: Math 4A  
Teacher: Mrs. M. Adams

This report presents diagnostic information about the student's general skills in mathematics, based on the student's performance on a STAR Math test.

### Score Summary

SS	GE	PR	PR Range	PR and PR Range			NCE	Recommended Accelerated Math™ Library
				Below Average 1	Average 50	Above Average 99		
646	4.5	57	38-75				53.7	Grade 4 or Grade 5

This student's Grade Equivalent (GE) score is 4.5. Her test performance is therefore comparable to that of an average fourth grader after the fifth month of the school year. Lisa achieved a national Percentile Rank (PR) of 57. This score is in the average range and means that Lisa scored higher than 57% of students nationally in the same grade. The PR Range indicates that, if this student had taken the STAR Math test numerous times, most of her scores would likely have fallen between 38 and 75. It reflects the amount of statistical variability in a student's PR score.

These scores suggest that Lisa can complete basic math tasks with whole numbers. She knows numbers through the millions place. Lisa can add, subtract, multiply, and divide whole numbers. Lisa should continue working with fractions and begin learning decimals. She should continue reviewing math operations with whole numbers. Lisa should work with a variety of fractions, such as halves, thirds, fifths, and eighths. Then, she should learn to add and subtract fractions that have like denominators.

At this stage, Lisa needs to:

- Work with a variety of fractions, using physical models to enhance understanding
- Understand the relationship between fractions and decimals
- Learn to add and subtract fractions with like denominators
- Learn to use fractions with like denominators in word problems
- Learn to add and subtract numbers with the same number of decimal places

These are the next concepts Lisa should learn.

The bar charts below reflect Lisa's level of proficiency within the Numeration and Computation objectives in STAR Math. The solid black line is pointing to the math skills Lisa is currently developing.

### Numeration Objectives

Numeration Objectives							
Ones	Tens	Hundreds	Thousands	Hundred Thousands	Fractions & Decimals	Advanced Concepts I	Advanced Concepts II

### Computational Objectives

Computational Objectives								
Addition & Subtraction Basic Facts to 10	Addition & Subtraction Basic Facts to 18, No Regrouping	Addition & Subtraction with Regrouping	Multiplication & Division Basic Facts	Advanced Computation with Whole Numbers	Fractions & Decimals I	Fractions & Decimals II	Percents, Ratios & Proportions	Multiplication & Division of Mixed Numbers

If you are using the Accelerated Math management software system with Lisa, assign the Grade 4 library. If she is not challenged by the difficult objectives in the Grade 4 library, move her to the Grade 5 library.

These recommendations rely on analysis of the student's performance on one STAR Math test. Please combine this information with your own knowledge of the student, and use your professional judgment when designing an instructional program.

Lisa's Accelerated Math library recommendation.