

Introduction to Common Core State Standards

Grades 6 Fraction Bars® and Decimal Squares® Teacher's Guide

The following introductory pages contain two pages of the Common Core State Standards for teaching fractions and decimals in grade 6. These standards are listed using the CCSS identifiers and show the corresponding titles of one or more lessons from this teacher's guide as well as the number of worksheets for each lesson.

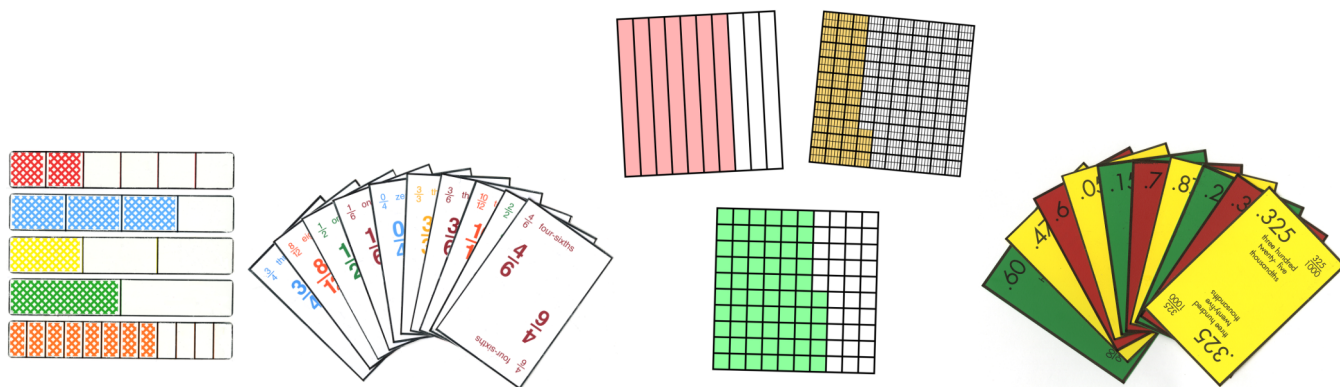
Progress Charts Following the two pages on the Common Core State Standards are two Progress Charts. One is for checking off progress on the lessons and worksheet, and the other is for checking off progress on the worksheets. These charts can be used for class records or for recording individual student progress.

Lessons Each of the 16 two-page lesson in this guide has a statement of purpose and a list of materials needed. Lessons are designed for teacher/student interaction, with statements to teachers in black print, and suggested teacher statements to students in blue print. Some lessons will take more time than one class meeting, and the activities within a lesson provide natural breaks. Lessons end with references to worksheets and online computer games involving the *Fraction Bars* and *Decimal Squares* models.

Activity Sheets Some of the lessons are accompanied by activity sheets designed to be used in class during the lessons. These sheets involve students in writing, making conjectures, and forming generalizations as ideas are being developed. The 15 activity sheets plus answers follow the complete set of lessons. The activity sheets are perforated for easy removal.

Worksheets There are 39 grade-six worksheets following the set of activity sheets. Answers for the worksheets are at the end of the guide. The worksheets are perforated for easy removal.

Materials The lessons are designed for groups of students to use decks of *Fraction Bars* and decks of *Decimal Squares*. Ideally, a deck of *Fraction Bars* or a deck of *Decimal Squares* for each pair of students works out well. The *Fraction Bars Playing Cards* and *Decimal Squares Playing Cards* are optional. A few of these materials are shown here.



Fraction Bars® Fraction Bars® Playing Cards Decimal Squares® Decimal Squares® Playing Cards

Optional Materials A set of *Transparent Fraction Bars* and a set of *Transparent Decimal Squares* are available at www.amep.com for class demonstrations.