Introduction to Common Core State Standards Grades 3 Fraction Bars® Teacher's Guide

The following introductory pages contain four pages of the Common Core State Standards for teaching fractions in grade 3. 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.

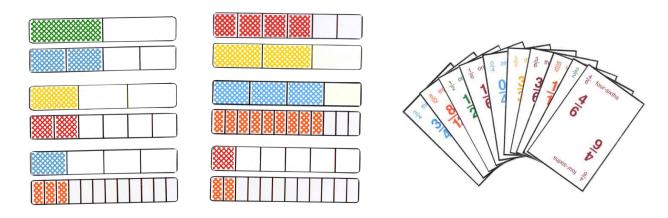
Progress Charts Following the four pages on the Common Core State Standards are two Progress Charts. One is for checking off progress on the lessons and the other is for checking off progress on the worksheets. These charts can be used for a class record or for recording individual student progress.

Lessons Each of the 12 two-page lessons for 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 numbered activities within a lesson provide natural breaks. Lessons end with references to worksheets and online computer games involving the *Fraction Bars* model.

Activity Sheets Most of the lessons have 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 activity sheets and answers to questions on these sheets follow the complete set of lessons. The activity sheets are perforated for easy removal.

Worksheets There are 27 grade-three worksheets together with an answer section following the set of activity sheets. The worksheets are perforated for easy removal.

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



Fraction Bars®

Fraction Bars® Playing Cards

Optional A set of *Transparent Fraction Bars* are available at www.amep.com for class demonstrations.