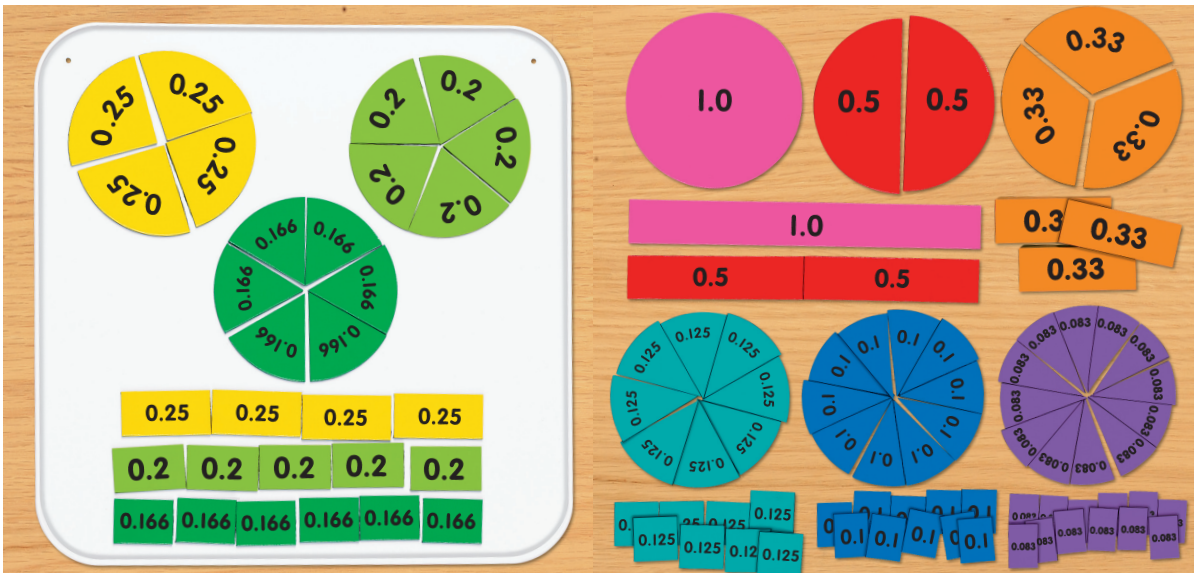
WINTERGREEN ELEMENTARY
products designed with learning in mind™

BUILDING DECIMALS MAGNETIC BOARD



RR346 - BUILDING DECIMALS MAGNETIC BOARD
Help students visualize parts of a whole…and explore concepts of equivalency in a highly concrete way! Our 12" x 12" board comes with over 100 colour-coded magnetic pieces—all clearly labeled with decimals. Students can combine the pieces to create a whole…mix & match pieces to compare equivalent values, compare decimals and more! Includes a guide with differentiated instruction strategies.

KEY FEATURES

- Magnetic board with over 100 colour coded magnetic pieces

TARGET AREAS

- Concepts of decimals: wholes and parts
- Introduces specific mathematical vocabulary of decimals
- Supports: Differentiated Instruction, Visual learners, Special Education, ELL, Whole Group and Small Group Learning

ASSESSMENT

- Assessing students' understanding of place value, equivalent decimals, and comparing decimals

Telephone FREE: 1-800-268-1268
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LESSON PLAN FOR BUILDING DECIMALS MAGNETIC BOARD

Before

After setting up the magnetic board, explain the colour coded features and have the students take some time to ask questions before beginning your lesson.

Familiarize your students with some of the vocabulary that will be used in the lesson and provide them with definitions. Write the following words on the board or on chart paper to start a word bank for the students' reference during the lesson: decimals, tenths, hundredths, thousandths, decimal point, decimal place, equivalent decimals.

During

When students are familiar with the decimal pieces and the vocabulary of decimals, then you can begin with explaining place value. Write a whole number on the chalkboard and have students identify the place value for each of the digits, i.e., tens, hundreds, thousands.

Using a 1 on the board, explain that this is a whole and that the numbers behind the decimal are parts or fractions of the whole number. Write a digit with decimals and label the places on the board for each number. For example: place a 3 in the tenths place and 7 in the hundredths place. Tell students that the number after the decimal point represents 37 hundredths.

Use the pieces to show that 10 tenths make a whole by putting 10 of the 0.1 pieces on the board. As a way of introducing one-half, place two of the 0.5 pieces on the board next to the 1.0 and have students compare. When you have gone through all the decimals, have students work on their own to find different ways of making 1.0.

Also use the board to introduce the concept of equivalent decimals. Using the pieces, show that two 0.25 pieces equal 0.5 and continue with other combinations. Introduce comparing decimals using two different pieces on the board and ask students, using the greater than/less than symbols as an aid, to compare. Ask: "Which one is bigger?" "Which is smaller?" "Are they the same size?"

After

Have the students continue these activities themselves and record their findings in a math journal.

EXTENSION ACTIVITIES

- Converting decimals to percents
- Decimal equations
- Converting decimals to fractions
- Writing word problems using decimals