# Guided Math: Unit 1, Lesson 2

Essential Question
How does understanding place value in whole numbers help students understand decimal numbers?

Lesson Objective
Students will read and write decimals to thousandths using word names and standard form (base ten numerals).

Whole-Group Lesson
Give each student a Decimal Number Match Card. Have students walk around the room comparing their cards to their classmates' cards unit they find a card that shows the same value. Once students have found a match, have them sit in pairs until all matches are found. Then have student pairs share the matches and explain how they know that the cards show the same value.

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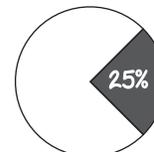
Lesson Discussion Questions
What words describe digits to the right of the decimal point? How do you know if a number has a zero in a place value? How does the word form of a number tell you how many digits the standard form has?

Materials
- Decimal Number Match Cards
- Whiteboards
- Dry-erase markers and erasers

Small-Group Lesson
Say numbers in word form and have students write the numbers in standard form on their Whiteboards. Ask students to identify the differences between the words used to describe the whole number part of a number and words used to describe the decimal parts of a number. Now, write a number in standard form and have students write the word form of the number.

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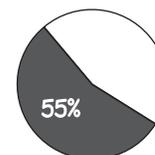
Remediate
Start by having students write numbers that have only one non-zero decimal digit, and use patterns to help students understand how the name of the number affects how it is written in standard form. For example, have students write 4 tenths, 4 hundredths, and 4 thousandths. Build to numbers with more digits.

On Level
Monitor and assist students as necessary. Make sure to include numbers that have one or more zeros in some of the place values.

Enrich
Have a student say numbers in word or standard form and then have the remaining students write the number in the other form. If there is a disagreement about how a number should be written, have students craft mathematical arguments to explain why what they wrote is correct.