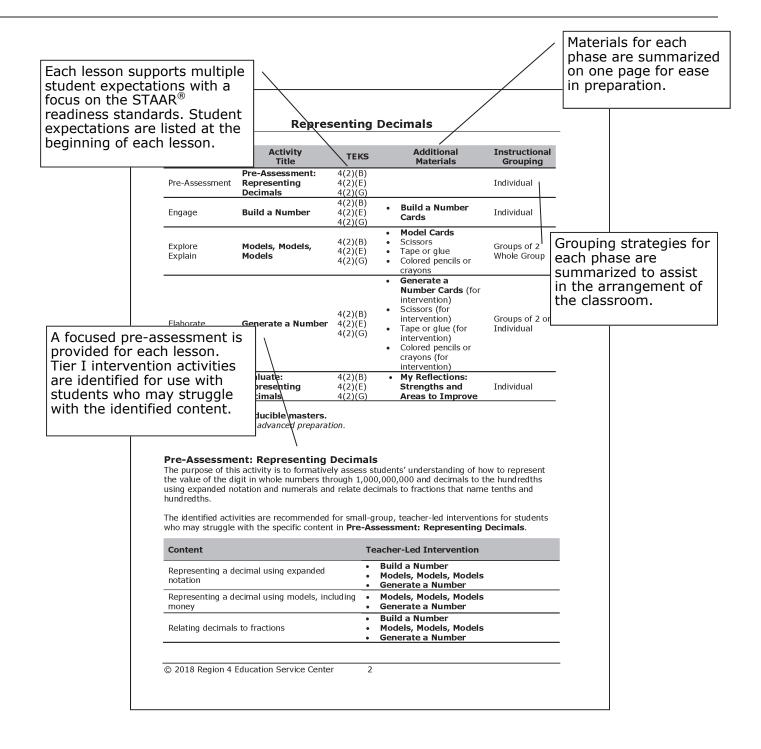
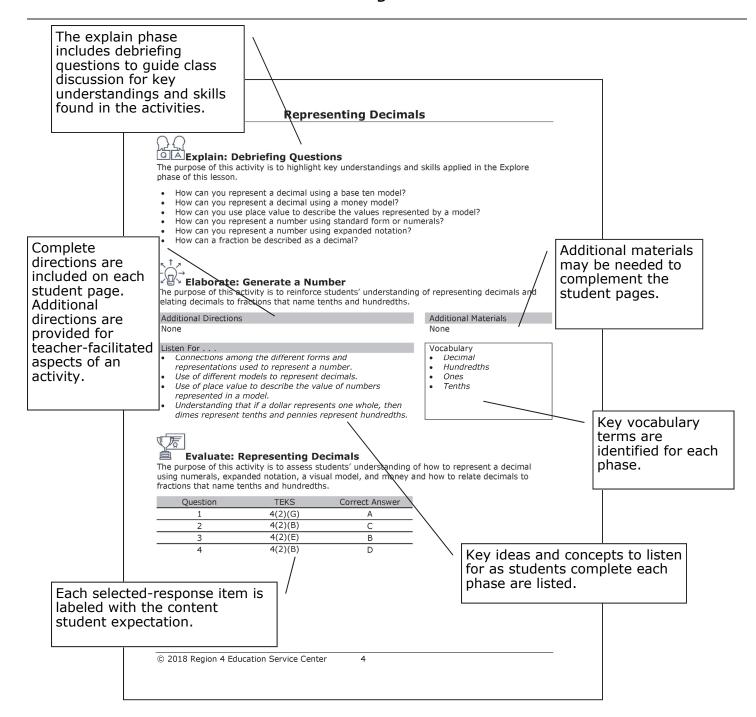


# What is in a lesson found in Closing the Distance?



# What is in a lesson found in Closing the Distance?



### Representing Decimals

Small-group intervention suggestions are provided for the Explore and the Elaborate phases.



## Small-Group Intervention Suggestions

### Teacher-Led Explore: Models, Models, Models

Decimal, expanded notation, fraction, hundredths, numeral,

#### Additional Materials

- **Model Cards**
- Tape or glue
- crayons

#### Small-Group Directions

#### Step 1

- A) Prompt students to read aloud the word form of the
- How do you say the written number? B) Ask "How can we write the numeral using a place value chart?"

Ones | Tenths | Hundredths 5

- C) Use a think-aloud process, a place value chart, and the following questions to represent the number as a fraction.
  - . What is the value of the 2? How is that represented in the place value chart?
  - Which part of the numeral is represented as a decimal?
  - How can the value of 0.58 be represented as a
  - Why did we represent the value of 0.58 as  $\frac{50}{100}$
- D) Use a think-aloud process, a place value chart, and the following questions to represent numeral using expanded notation.
  - What is the value of the 2 in the ones place? How can the value of the 2 be represented in
  - expanded notation?
  - What is the value of the 5 in the tenths place? How can the value of the 5 be represented in
  - expanded notation as a decimal?
  - What is the value of the 8 in the hundredths place? How can the value of the 8 be represented in
  - expanded notation as a decimal?
  - Why do we add the place values of each digit in expanded notation?

- Colored pencils or

#### Listen For . . .

- Understanding that the value of a digit is based on the place value of the digit.
- Appropriate use of different models to represent decimals.
- Connections among the different forms and representations used to represent a number.
- Understanding that expanded notation represents the sum of each digit multiplied by
- Understanding that if a dollar represents one whole, then dimes represent tenths and pennies represent hundredths.
- Understanding that equivalent fractions and decimals are two representations of the same fractional part of the same whole.

students struggling with the content within the lesson.

Each intervention

instructions on

how to make the

mathematics more

provides

explicit for

Each lesson provides an opportunity for My Reflections: Strengths and Areas for Improvement student reflection as the student Place a plus sign for each statement you feel is a strength after completing each self-assesses strengths for each phase of I can represent the value of a digit in a decimal using expanded notation. the lesson. I can represent decimals using models. I can represent decimals using money. ಧ Following this I can relate decimals fractions. self-assessment, students are prompted to note what they are most proud of and to set a goal **Lesson Activity** to improve understanding. Build a Number Models, Models, Models Generate a Number Evaluate: Representing Decimals I am most proud . . . To improve my understanding, I . . . © 2018 Region 4 Education Service Center