MATHEMATICAL CONCEPTS

DECIMALS QUIZ >>> 5
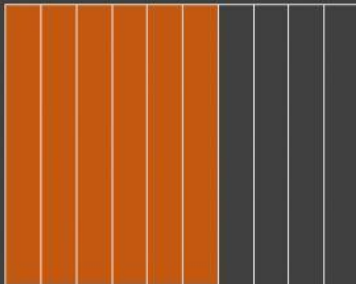
- metric prefix for one tenth or 1/10.
- deci- means based on 10

Ten thousands	Thousands	Hundreds	Tens	Ones	• Decimal	Tenths	Hundredths	Thousandths
			3	4	and	5	6	7

← **Whole Numbers**   **Decimals** →

Say the amount in front of the decimal point first. Read "and' as the decimal point. Say the number after the decimal and add the place of the last digit.

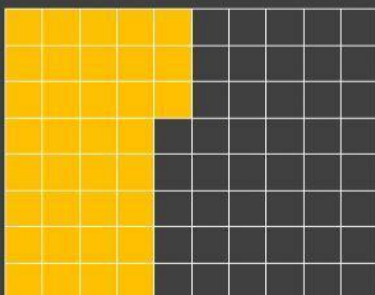**Example**: 34 and 567 thousandths (thirty – four and five hundred and sixty-seven thousandths)

Using a 10s model:

There are 8 pieces out of 10 colored. Therefore, when written as a decimal we write 0.8

The place value of the 8 is tenths

The fraction is $\frac{8}{10}$

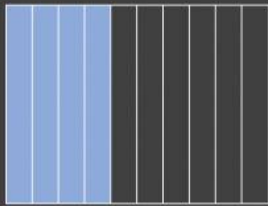Using the 100s model:

There are 43 out of the 100 pieces colored.

Therefore, when written as a decimal we write 0.43

The place value of the 4 is tenths and the place value of the 3 is hundredths

The fraction is $\frac{43}{100}$
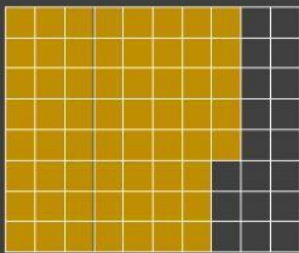
MATHEMATICAL CONCEPTS

1. Write the decimal in three ways:

   word form: _____

   decimal form: _____

   Fraction : _____

   word form: _____

   decimal form: _____

   Fraction : _____

2. Write >, <, or = to compare each set of decimals.

   0.4 [ ] 0.7   7. 06 [ ] 7.006

3. Using the decimal below, complete the following:

   ## 476.985

   a. Identify the digit in the <u>hundredths</u> place _____

   b. **<u>Round</u>** the decimal to the nearest <u>tenth</u> _____

   c. <u>Increase</u> the decimal by 100   _____

4. What is the missing number?

   25.63 × _____ = 2563

   495 ÷ _____ = 49.5