

## Lesson 1-3 Understanding Decimals

SWBAT: Understand decimals by reading, writing and rounding them in several complex expressions.

### Decimals:

Decimal Place Value Chart													
Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Decimal point	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred thousandths	Millionths
			3	6	8	4	.	2	6				

Image 1: Decimal Place Value chart.

- Write the \_\_\_\_\_
- Use the word “\_\_\_\_\_” to represent the decimal point
- Write the number \_\_\_\_\_
- \_\_\_\_\_

Ex: 2.459 in words would be two and four hundred fifty nine thousandths.

Write each decimal in words

- ① 67.3                      ② 8.072                      ③ 21.0039

Convert each word phrase into a decimal

a. Forty one and 3 hundredths    b. Seven and three hundred two thousandths

c. Eight thousand and four hundred nine hundred-thousandths

### Rounding decimals

- You look to the number to the \_\_\_\_\_ of the place value you want to round to
- 5 or higher \_\_\_\_\_
- 4 or less the number \_\_\_\_\_. Everything to the right goes away

Round the following decimals to the underlined place value

- ① 2.3428                      ② 0.17437                      ③ 9.053                      ④ 7.4962

- ⑤ 12.491

1. Fifty one and two hundred four ten thousandths

2. 18.9536