Name	Date
	·

Write a decimal number sentence to identify the total value of the number disks.

a.



0.1 0.1



2 tens

5 tenths

3 hundredths

0.01

b.



0.01 4 hundredths

5 hundreds

0.01

2. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

0.01

hundreds	tens	ones	•	tenths	hundredths
4	1	6		8	3

- The digit _____ is in the hundreds place. It has a value of _____
- The digit _____ is in the tens place. It has a value of _____.
- The digit _____ is in the tenths place. It has a value of _____.
- d. The digit _____ is in the hundredths place. It has a value of _____.

hundreds	tens	ones	tenths	hundredths
5	3	2	1	6

- The digit _____ is in the hundreds place. It has a value of _____
- The digit _____ is in the tens place. It has a value of _____. f.
- The digit _____ is in the tenths place. It has a value of _____.
- The digit is in the hundredths place. It has a value of



Lesson 7: Date:

Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart. 1/28/14



6.B.54

3. Write each number in expanded form, using both decimal and fraction notation. The first one has been done for you.

B. J. J. J.	Expanded Form			
Decimal and Fraction Form	Fraction Notation	Decimal Notation		
$15.43 = 15 \frac{43}{100}$	$(1 \times 10) + (5 \times 1) + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ $10 + 5 + \frac{4}{10} + \frac{3}{100}$	(1 × 10) + (5 × 1) + (4 × 0.1) + (3 × 0.01) 10 + 5 + 0.4 + 0.03		
21.4 =				
38.09 =				
50.2 =				
301.07 =				
620.80 =				
800.08 =				



Lesson 7: Date:

Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart. 1/28/14



Name	Date	

1. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

hundreds	tens	ones	tenths	hundredths
8	2	7	6	4

The d	digit	is in the hundreds	place.	It has a value of	
The d	digit	is in the hundreds	place.	It has a value of	

2. Complete the following chart.

Fraction	Expanded	Decimal		
Fraction	Fraction Notation	Decimal Notation	Decimal	
$422\frac{8}{100}$				
	$300 + \frac{9}{10} + \frac{2}{100}$			



Lesson 7: Date:

Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart. 1/28/14



Name	Date

1. Write a decimal number sentence to identify the total value of the number disks.

a. (10) (10) (10)

0.1 0.1 0.1

0.01 0.01

3 tens

4 tenths

2 hundredths

_____ + ____ + ____ = ____

b. (100) (100) (100

0.01 0.01 0.01

4 hundreds

3 hundredths

2. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

hundreds	tens	ones	•	tenths	hundredths
8	2	7		6	4

- a. The digit ______ is in the hundreds place. It has a value of ______.
- b. The digit _____ is in the tens place. It has a value of _____.
- c. The digit _____ is in the tenths place. It has a value of _____.
- d. The digit ______ is in the hundredths place. It has a value of ______.

hundreds	tens	ones	•	tenths	hundredths
3	4	5		1	9

- e. The digit _____ is in the hundreds place. It has a value of ______.
- f. The digit _____ is in the tens place. It has a value of _____.
- g. The digit _____ is in the tenths place. It has a value of _____.
- h. The digit _____ is in the hundredths place. It has a value of _____.



Lesson 7: Date: Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart. 1/28/14

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3. Write each number in expanded form, using both decimal and fraction notation. The first one has been done for you.

Danimal and	Expanded Form			
Decimal and Fraction Form	Fraction Notation	Decimal Notation		
$14.23 = 14 \frac{23}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ $10 + 4 + \frac{2}{10} + \frac{3}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times 0.1) + (3 \times 0.01)$ 10 + 4 + 0.2 + 0.03		
25.3 =				
39.07 =				
40.6 =				
208.90 =				
510.07 =				
900.09 =				



Lesson 7:

Date:

Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart. 1/28/14

