


Name _____


Date _____

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

a. 

3 tens 4 tenths 2 hundredths

$$\underline{30} + \underline{0.4} + \underline{0.02} = \underline{30.42}$$

b. 

4 hundreds 3 hundredths

$$\underline{400} + \underline{0.03} = \underline{400.03}$$

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 8 is in the hundreds place. It has a value of 8 hundreds.
- b. The digit 2 is in the tens place. It has a value of 2 tens.
- c. The digit 6 is in the tenths place. It has a value of 6 tenths.
- d. The digit 4 is in the hundredths place. It has a value of 4 hundredths.

hundreds	tens	ones	.	tenths	hundredths
3	4	5		1	9

- e. The digit 3 is in the hundreds place. It has a value of 3 hundreds.
- f. The digit 4 is in the tens place. It has a value of 4 tens.
- g. The digit 1 is in the tenths place. It has a value of 1 tenth.
- h. The digit 9 is in the hundredths place. It has a value of 9 hundredths.

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

Decimal and Fraction Form	Expanded Form	
	Fraction Notation	Decimal Notation
$14.23 = 14\frac{23}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ $10 + 4 + \frac{2}{10} + \frac{3}{100}$	$(1 \times 10) + (4 \times 1) + (2 \times 0.1) + (3 \times 0.01)$ $10 + 4 + 0.2 + 0.03$
$25.3 = 25\frac{3}{10}$	$(2 \times 10) + (5 \times 1) + (3 \times \frac{1}{10})$ $20 + 5 + \frac{3}{10}$	$(2 \times 10) + (5 \times 1) + (3 \times 0.1)$ $20 + 5 + 0.3$
$39.07 = 39\frac{7}{100}$	$(3 \times 10) + (9 \times 1) + (7 \times \frac{1}{100})$ $30 + 9 + \frac{7}{100}$	$(3 \times 10) + (9 \times 1) + (7 \times 0.01)$ $30 + 9 + 0.07$
$40.6 = 40\frac{6}{10}$	$(4 \times 10) + (6 \times \frac{1}{10})$ $40 + \frac{6}{10}$	$(4 \times 10) + (6 \times 0.1)$ $40 + 0.6$
$208.90 = 208\frac{9}{10}$	$(2 \times 100) + (8 \times 1) + (9 \times \frac{1}{10})$ $200 + 8 + \frac{9}{10}$	$(2 \times 100) + (8 \times 1) + (9 \times 0.1)$ $200 + 8 + 0.9$
$510.07 = 510\frac{7}{100}$	$(5 \times 100) + (1 \times 10) + (7 \times \frac{1}{100})$ $500 + 10 + \frac{7}{100}$	$(5 \times 100) + (1 \times 10) + (7 \times 0.01)$ $500 + 10 + 0.07$
$900.09 = 900\frac{9}{100}$	$(9 \times 100) + (9 \times \frac{1}{100})$ $900 + \frac{9}{100}$	$(9 \times 100) + (9 \times 0.01)$ $900 + 0.09$