Decimal Place Value

1. Write the numbers.

a. 4 ones, 7 tenths	**f.** Which two of these numbers are equal?
b. 8 tens, 9 ones, 9 tenths, 5 hundredths	6 7.67 6.76 6.6 7.76 6.60
c. 1 tenth, 7 hundredths	
d. 8 tenths, 2 tens	**g.** Write the above numbers in order.
e. 4 hundredths, 6 hundreds	

2. Name the place that has been underlined in the number (for example, tenths place).

a. 3<u>4</u>5.9   **b.** 345.<u>9</u>2   **c.** 305.9<u>7</u>   **d.** 3<u>0</u>.5

e. <u>6</u>.5   **f.** 2.3<u>0</u>   **g.** 2,0<u>0</u>5.4   **h.** 10.<u>1</u>

3. Write the following numbers in the decimal form.

a. $\dfrac{4}{100}$ **e.** $6 + 80 + \dfrac{7}{10}$ **i.** seven and a half

b. $2 + \dfrac{5}{100}$ **f.** $\dfrac{2}{10} + \dfrac{4}{100}$ **j.** $30 + 9{,}000 + 5 + \dfrac{5}{100}$

c. $90 + \dfrac{9}{10}$ **g.** $10 + \dfrac{7}{10} + \dfrac{5}{100}$ **k.** $200 + 2{,}000 + \dfrac{0}{10}$

d. $50 + \dfrac{12}{100} + 4$ **h.** $600 + 8 + \dfrac{91}{100} + 3{,}000$ **l.** $9 + \dfrac{2}{10} + \dfrac{3}{100} + 30 + 400$

4. Break down the following numbers to their different "parts" according to place value.

a. $45.42 = 40 + 5 + \dfrac{4}{10} + \dfrac{2}{100}$ **d.** 600.32

b. 11.3   **e.** 203.09

c. 304.52   **f.** 9,090.08

5. Match each expression from the first column with one from the second.

a.

$2\dfrac{4}{10}$
$10 + \dfrac{5}{10}$
$4 + \dfrac{2}{10}$
$10 + \dfrac{1}{10} + 5$

0.2 + 4
2 + 0.4
0.1 + 15
10 + 0.5

b.

$5\dfrac{14}{100}$
$15 + \dfrac{4}{100}$
$5 + \dfrac{4}{10}$
$\dfrac{14}{100} + 15$

0.14 + 15
15 + 0.04
0.14 + 5
5 + 0.4