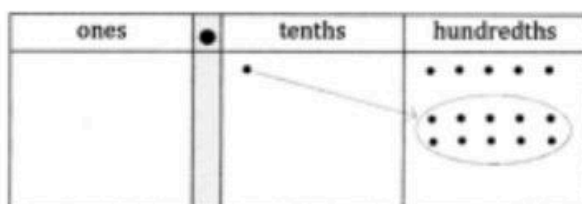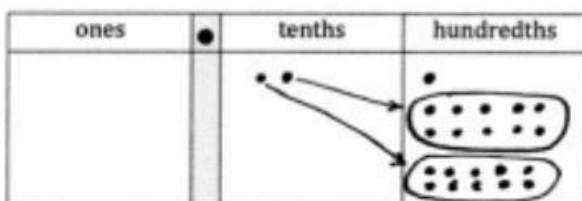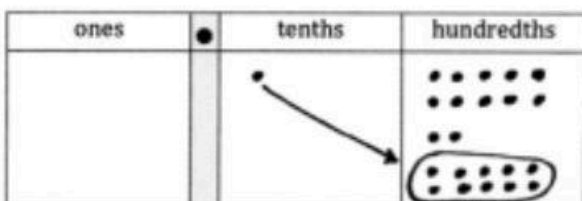1. Complete the number sentence by expressing each part using hundredths. Model using the place value chart, as shown in Problem 1(a).

ones		tenths	hundredths

a. 1 tenth + 5 hundredths = __15__ hundredths

ones		tenths	hundredths

b. 2 tenths + 1 hundredth = __21__ hundredths

ones		tenths	hundredths

c. 1 tenth + 12 hundredths = __22__ hundredths

2. Solve by converting all addends to hundredths before solving.

a. 1 tenth + 3 hundredths = __10__ hundredths + 3 hundredths = __13__ hundredths

b. 5 tenths + 12 hundredths = __50__ hundredths + __12__ hundredths = __62__ hundredths

c. 7 tenths + 27 hundredths = __70__ hundredths + __27__ hundredths = __97__ hundredths

d. 37 hundredths + 7 tenths = __37__ hundredths + __70__ hundredths = __107__ hundredths

3. Find the sum. Convert tenths to hundredths as needed. Write your answer as a decimal.

a. $\frac{2}{10} + \frac{8}{100} = \frac{20}{100} + \frac{8}{100} = \frac{28}{100}$

$= 0.28$

b. $\frac{13}{100} + \frac{4}{10}$

$\frac{13}{100} + \frac{40}{100} = \frac{53}{100} = 0.53$

c. $\frac{6}{10} + \frac{39}{100}$

$\frac{60}{100} + \frac{39}{100} = \frac{99}{100} = 0.99$

d. $\frac{70}{100} + \frac{3}{10}$

$\frac{70}{100} + \frac{30}{100} = \frac{100}{100} = 1$

4. Solve. Write your answer as a decimal.

a. $\frac{9}{10} + \frac{42}{100}$

$\frac{90}{100} + \frac{42}{100} = 1\frac{32}{100} = 1.32$

$\frac{10}{100} \quad \frac{32}{100}$

b. $\frac{70}{100} + \frac{5}{10}$

$\frac{70}{100} + \frac{50}{100} = 1\frac{20}{100} = 1\frac{2}{10} = 1.2$

$\frac{30}{100} \quad \frac{20}{100}$

c. $\frac{68}{100} + \frac{8}{10}$

$\frac{68}{100} + \frac{80}{100} = 1\frac{48}{100} = 1.48$

$\frac{20}{100} \quad \frac{48}{100}$

d. $\frac{7}{10} + \frac{87}{100}$

$\frac{70}{100} + \frac{87}{100} = 1\frac{57}{100} = 1.57$

$\frac{30}{100} \quad \frac{57}{100}$

5. Beaker A has $\frac{63}{100}$ liter of iodine and is then filled the rest of the way with water up to 1 liter. Beaker B has $\frac{4}{10}$ liter of iodine and is then filled the rest of the way with water up to 1 liter. If both beakers are emptied into a large beaker, how much iodine will be in the large beaker?

?

$\frac{63}{100}$ L	$\frac{4}{10}$ L
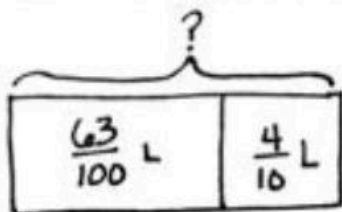
$\frac{63}{100} + \frac{4}{10} = \frac{63}{100} + \frac{40}{100} = \frac{103}{100} = 1\frac{3}{100} = 1.03$

$\frac{100}{100} \quad \frac{3}{100}$

The larger beaker will have 1.03 milliliters of iodine.