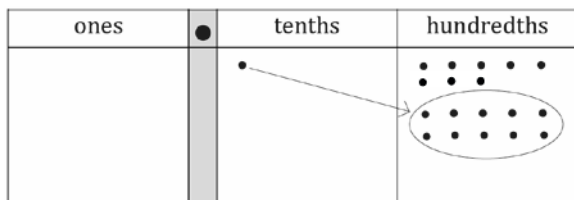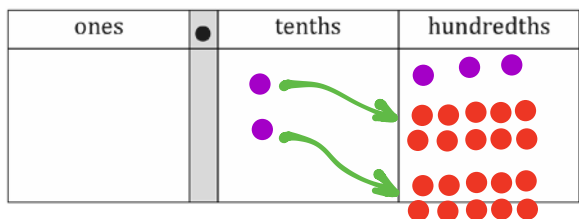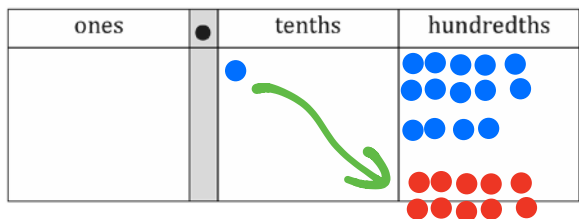Name _____ Date _____

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

a. 1 tenth + 8 hundredths = __18__ hundredths

b. 2 tenths + 3 hundredths = __23__ hundredths

c. 1 tenth + 14 hundredths = __24__ hundredths

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

a. 1 tenth + 2 hundredths = __10__ hundredths + 2 hundredths = __12__ hundredths

b. 4 tenths + 11 hundredths = __40__ hundredths + __11__ hundredths = __51__ hundredths

c. 8 tenths + 25 hundredths = __80__ hundredths + __25__ hundredths = __105__ hundredths

d. 43 hundredths + 6 tenths = __430__ hundredths + __60__ hundredths = __490__ hundredths

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Lesson 12: Apply understanding of fraction equivalence to add tenths and hundredths.

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

a. $\frac{3}{10} + \frac{7}{100} = \frac{30}{100} + \frac{7}{100} = \frac{37}{100}$

$= 0.37$

b. $\frac{16}{100} + \frac{5}{10} = \frac{16}{100} + \frac{50}{100} = \frac{66}{100}$

$= 0.66$

c. $\frac{5}{10} + \frac{40}{100} = \frac{50}{100} + \frac{40}{100} = \frac{90}{100}$

$= 0.9$

d. $\frac{20}{100} + \frac{8}{10} = \frac{20}{100} + \frac{80}{100} = \frac{100}{100}$

$= 1$

4. Solve. Write your answer as a decimal.

a. $\frac{5}{10} + \frac{53}{100}$

$= \frac{50}{100} + \frac{53}{100} = 1\frac{3}{100} = 1.03$

$\frac{50}{100} \quad \frac{3}{100}$

b. $\frac{27}{100} + \frac{8}{10}$

$= \frac{27}{100} + \frac{80}{100} = 1\frac{7}{100}$

$\frac{7}{100} \quad \frac{20}{100}$

$= 1.07$

c. $\frac{4}{10} + \frac{78}{100}$

$= \frac{40}{100} + \frac{78}{100} = 1\frac{18}{100} = 1.18$

$\frac{60}{100} \quad \frac{18}{100}$

d. $\frac{98}{100} + \frac{7}{10}$

$= \frac{98}{100} + \frac{70}{100} = 1\frac{68}{100} = 1.68$

$\frac{2}{100} \quad \frac{68}{100}$

5. Cameron measured $\frac{65}{100}$ inch of rainwater on the first day of April. On the second day of April, he measured $\frac{83}{100}$ inch of rainwater. How many inches of rain fell on the first two days of April?

$\frac{65}{100} + \frac{83}{100} = \frac{148}{100} = 1\frac{48}{100} = 1.48$

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

1.48 inches of rain fell on the first two days.

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Lesson 12:   Apply understanding of fraction equivalence to add tenths and hundredths.

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