Name _____ Date _____

1. Solve. Convert tenths to hundredths before finding the sum. Rewrite the complete number sentence in decimal form. Problems 1(a) and 1(b) are partially completed for you.

a. $5\frac{2}{10}+\frac{7}{100}=5\frac{20}{100}+\frac{7}{100}=$ $5\frac{27}{100}$

5.2 + 0.07 = 5.27

b. $5\frac{2}{10}+3\frac{7}{100}=8\frac{20}{100}+\frac{7}{100}=$ $8\frac{27}{100}$

8.2 + 0.07 = 8.27

c. $6\frac{5}{10}+\frac{1}{100}=6\frac{50}{100}+\frac{1}{100}=6\frac{51}{100}$

6.5 + 0.01 = 6.51

d. $6\frac{5}{10}+7\frac{1}{100}=6\frac{50}{100}+7\frac{1}{100}=13\frac{51}{100}$

6.5 + 7.01 = 13.51

2. Solve. Then, rewrite the complete number sentence in decimal form.

a. $4\frac{9}{10}+5\frac{10}{100}=4\frac{90}{100}+5\frac{10}{100}=10$ (1)

4.9 + 5.1 = 10.0

b. $8\frac{7}{10}+2\frac{65}{100}=8\frac{70}{100}+2\frac{65}{100}=11\frac{35}{100}$ ($\frac{30}{100}$, $\frac{35}{100}$)

8.7 + 2.65 = 11.35

c. $7\frac{3}{10}+6\frac{87}{100}=7\frac{30}{100}+6\frac{87}{100}=14\frac{17}{100}$ ($\frac{70}{100}$, $\frac{17}{100}$)

7.3 + 6.87 = 14.17

d. $5\frac{48}{100}+7\frac{8}{10}=5\frac{48}{100}+7\frac{80}{100}=13\frac{28}{100}$ ($\frac{28}{100}$, $\frac{20}{100}$)

5.48 + 7.8 = 13.28

3. Solve by rewriting the number sentence in fraction form. After solving, rewrite the complete number sentence in decimal form.

a. $2.1 + 0.87 = 2\frac{1}{10} + \frac{87}{100}$

$= 2\frac{10}{100} + \frac{87}{100} = 2\frac{97}{100}$

$2.1 + 0.87 = 2.97$

b. $7.2 + 2.67 = 7\frac{2}{10} + 2\frac{67}{100}$

$= 7\frac{20}{100} + 2\frac{67}{100} = 9\frac{87}{100}$

$7.2 + 2.67 = 9.87$

c. $7.3 + 1.8 = 7\frac{3}{10} + 1\frac{8}{10} = 9\frac{1}{10}$

$\frac{1}{10}$ $\frac{2}{10}$

$7.3 + 1.8 = 9.1$

d. $7.3 + 1.86 = 7\frac{3}{10} + 1\frac{86}{100} = 7\frac{30}{100} + 1\frac{86}{100} = 9\frac{16}{100}$

$\frac{70}{100}$ $\frac{16}{100}$

$7.3 + 1.86 = 9.16$

e. $6.07 + 3.93 = 6\frac{7}{100} + 3\frac{93}{100} = 10$

1

$6.07 + 3.93 = 10$

f. $6.87 + 3.9 = 6\frac{87}{100} + 3\frac{90}{100} = 10\frac{77}{100}$

$\frac{77}{100}$ $\frac{10}{100}$

$6.87 + 3.9 = 10.77$

g. $8.6 + 4.67 = 8\frac{60}{100} + 4\frac{67}{100} = 13\frac{27}{100}$

$\frac{60}{100}$ $\frac{27}{100}$

$8.6 + 4.67 = 13.27$

h. $18.62 + 14.7 = 18\frac{62}{100} + 14\frac{70}{100} = 33\frac{32}{100}$

$\frac{32}{100}$ $\frac{30}{100}$

$18.62 + 14.7 = 33.32$