Name _____ Date _____

1. Show one way to solve each problem. Express sums and differences as a mixed number when possible. Use number bonds when it helps you. Part (a) is partially completed.

a. $\frac{1}{3} + \frac{2}{3} + \frac{1}{3}$ $= \frac{3}{3} + \frac{1}{3} = 1 + \frac{1}{3}$ = _____	b. $\frac{5}{8} + \frac{5}{8} + \frac{3}{8}$	c. $\frac{4}{6} + \frac{6}{6} + \frac{1}{6}$
d. $1\frac{2}{12} - \frac{2}{12} - \frac{1}{12}$	e. $\frac{5}{7} + \frac{1}{7} + \frac{4}{7}$	f. $\frac{4}{10} + \frac{7}{10} + \frac{9}{10}$
g. $1 - \frac{3}{10} - \frac{1}{10}$	h. $1\frac{3}{5} - \frac{4}{5} - \frac{1}{5}$	i. $\frac{10}{15} + \frac{7}{15} + \frac{12}{15} + \frac{1}{15}$

2. Bonnie used two different strategies to solve $\frac{5}{8}+\frac{2}{8}+\frac{5}{8}$.

Bonnie's First Strategy

$$\frac{5}{8}+\frac{2}{8}+\frac{5}{8}=\frac{7}{8}+\frac{5}{8}=\frac{8}{8}+\frac{4}{8}=1\frac{4}{8}$$

$\frac{1}{8}$ $\frac{4}{8}$

Bonnie's Second Strategy

$$\frac{5}{8}+\frac{2}{8}+\frac{5}{8}=\frac{12}{8}=1+\frac{4}{8}=1\frac{4}{8}$$

$\frac{8}{8}$ $\frac{4}{8}$

Whose strategy do you like best? Why?

3. You gave one solution for each part of Problem 1. Now, for each problem indicated below, give a different solution method.

1(b) $\frac{5}{8}+\frac{5}{8}+\frac{3}{8}$

1(e) $\frac{5}{7}+\frac{1}{7}+\frac{4}{7}$

1(h) $1\frac{3}{5}-\frac{4}{5}-\frac{1}{5}$