LESSON 3 - PRACTICE PROBLEMS

1. Add or subtract each of the following. Be sure to leave your answer in simplest (reduced) form. If applicable, write your answer as *both* an improper fraction *and* a mixed number.

a. $\frac{5}{8}+\frac{4}{8}$ b. $\frac{4}{3}-\frac{1}{3}$ c. $\frac{2}{10}+\frac{3}{10}$

d. $\frac{7}{22}+\frac{5}{22}$ e. $\frac{12}{17}-\frac{3}{17}$

2. Add or subtract each of the following. State clearly what the common denominator is. Be sure to leave your answer in simplest (reduced) form. If applicable, write your answer as *both* an improper fraction *and* a mixed number.

a. $\frac{5}{7}+\frac{4}{9}$ b. $\frac{4}{5}-\frac{1}{3}$ c. $\frac{2}{3}+\frac{3}{5}$

d. $\frac{7}{12}+\frac{5}{24}$ e. $\frac{4}{5}-\frac{3}{7}$

3. Perform the indicated operation. Write your answer in simplest form. If applicable, write your answer as *both* an improper fraction *and* a mixed number.

a. $1\frac{3}{7}+2\frac{3}{8}$ b. $2\frac{4}{5}-1\frac{1}{3}$ c. $3\frac{2}{3}+1\frac{3}{5}$

d. $2\frac{7}{12}+3\frac{5}{24}$ e. $4\frac{4}{5}-2\frac{3}{7}$

4. Perform the indicated operations. Write your answer in simplest form. If applicable, write your answer as *both* an improper fraction *and* a mixed number.

a. $\frac{1}{2}-\frac{1}{3}+\frac{1}{4}$ b. $2-\frac{8}{5}$ c. $\frac{2}{3}+\frac{1}{3}-\frac{1}{4}$

d. $\left(2-\frac{1}{3}\right)+\left(\frac{2}{3}+\frac{1}{15}\right)$

5. Solve each of the following application problems using the 5-step process illustrated in the lesson. Leave final answers in mixed number form if possible.

a. If Josh ate $\frac{1}{4}$ of a pizza, what fraction of the pizza is left?

b. If I drove $10\frac{2}{3}$ miles one day and $12\frac{1}{4}$ miles the second day and $8\frac{1}{5}$ miles the third day, how far did I drive?

c. Melody bought a 2-liter bottle of soda at the store. If she drank $\frac{1}{8}$ of the bottle and her brother drank $\frac{2}{7}$ of the bottle, how much of the bottle is left?

d. James brought a small bag of carrots for lunch. There are 6 carrots in the bag. Is it possible for him to eat $\frac{2}{6}$ of the bag for a morning snack and $\frac{5}{6}$ of the bag at lunch? Why or why not?

e. Suppose that David is able to tile $\frac{1}{4}$ of his floor in 3 hours. How long would it take him to tile the rest of the floor? Use addition to solve this and not multiplication.

6. On the left side, EXPLAIN the mistake made in the problem. On the right side, WORK the problem correctly.

Explain the mistake made in the problem below: $\frac{2}{3}+\frac{1}{5}=\frac{3}{8}$	Work the problem correctly: $\frac{2}{3}+\frac{1}{5}=$