Name $\qquad$ Date $\qquad$

1. Are the following expressions greater than or less than 1 ? Circle the correct answer.
a. $\frac{1}{2}+\frac{4}{9}$
greater than 1
less than 1
b. $\frac{5}{8}+\frac{3}{5}$
greater than 1
less than 1
c. $1 \frac{1}{5}-\frac{1}{3}$
greater than 1
less than 1
d. $4 \frac{3}{5}-3 \frac{3}{4}$
greater than 1
less than 1
2. Are the following expressions greater than or less than $\frac{1}{2}$ ? Circle the correct answer.
a. $\frac{1}{5}+\frac{1}{4}$
greater than $\frac{1}{2}$
less than $\frac{1}{2}$
b. $\frac{6}{7}-\frac{1}{6}$
greater than $\frac{1}{2}$
less than $\frac{1}{2}$
c. $1 \frac{1}{7}-\frac{5}{6}$
greater than $\frac{1}{2}$
less than $\frac{1}{2}$
d. $\frac{4}{7}+\frac{1}{8}$
greater than $\frac{1}{2}$
less than $\frac{1}{2}$
3. Use $>,<$, or = to make the following statements true.
a. $5 \frac{4}{5}+2 \frac{2}{3}=8 \frac{3}{4}$
b. $3 \frac{4}{7}-2 \frac{3}{5}-1 \frac{4}{7}+\frac{3}{5}$
c. $4 \frac{1}{2}+1 \frac{4}{9}$ $\qquad$ $5+\frac{13}{18}$
d. $10 \frac{3}{8}-7 \frac{3}{5} \longrightarrow 3 \frac{3}{8}+\frac{3}{5}$
4. Is it true that $5 \frac{2}{3}-3 \frac{3}{4}=1+\frac{2}{3}+\frac{3}{4}$ ? Prove your answer.
5. A tree limb hangs $5 \frac{1}{4}$ feet from a telephone wire. The city trims back the branch before it grows within $2 \frac{1}{2}$ feet of the wire. Will the city allow the tree grow $2 \frac{3}{4}$ more feet?
6. Mr. Kreider wants to paint two doors and several shutters. It takes $2 \frac{1}{8}$ gallons of paint to coat each door and $1 \frac{3}{5}$ gallons of paint to coat all of his shutters. If Mr. Kreider buys three 2-gallon cans of paint, does he have enough to complete the job?
