

Name _____

Date _____

1. Are the following 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 greater than or less than $\frac{1}{2}$? Circle the correct answer.

- | | | |
|---------------------------------|----------------------------|-------------------------|
| e) $\frac{1}{5} + \frac{1}{4}$ | greater than $\frac{1}{2}$ | less than $\frac{1}{2}$ |
| f) $\frac{6}{7} - \frac{1}{6}$ | greater than $\frac{1}{2}$ | less than $\frac{1}{2}$ |
| g) $1\frac{1}{7} - \frac{5}{6}$ | greater than $\frac{1}{2}$ | less than $\frac{1}{2}$ |
| h) $\frac{4}{7} + \frac{1}{8}$ | greater than $\frac{1}{2}$ | less than $\frac{1}{2}$ |

3. Use $>$, $<$, or $=$ to make the following statements true.

i) $5\frac{4}{5} + 2\frac{2}{3}$ _____ $8\frac{3}{4}$

k) $4\frac{1}{2} + 1\frac{4}{9}$ _____ $5 + \frac{13}{18}$

j) $3\frac{4}{7} - 2\frac{3}{5}$ _____ $1\frac{4}{7} + \frac{3}{5}$

l) $10\frac{3}{8} - 7\frac{3}{5}$ _____ $3\frac{3}{8} + \frac{3}{5}$

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 to 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 his shutters. If Mr. Kreider buys three 2-gallon cans of paint, does he have enough to complete the job?