



Name _____ Date _____

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. $5\frac{4}{5} + 2\frac{2}{3}$ $<$ $8\frac{3}{4}$
 $7\frac{4 \times 3}{5 \times 3} + \frac{2 \times 5}{3 \times 5} = 7\frac{12}{15} + \frac{10}{15} = \frac{22}{15} = 7\frac{22}{15}$

b. $3\frac{4}{7} - 2\frac{3}{5}$ _____ $1\frac{4}{7} + \frac{3}{5}$

c. $4\frac{1}{2} + 1\frac{4}{9}$ _____ $5 + \frac{13}{18}$

d. $10\frac{3}{8} - 7\frac{3}{5}$ _____ $3\frac{3}{8} + \frac{3}{5}$



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