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

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

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Lesson 13:   Use fraction benchmark numbers to assess reasonableness of addition and subtraction equations.

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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?

Lesson 13: Use fraction benchmark numbers to assess reasonableness of addition and subtraction equations.

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