

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Are the following greater than or less than 1? Circle the correct answer.

a)  $\frac{1}{2} + \frac{2}{7}$                       greater than 1                      less than 1

b)  $\frac{5}{8} + \frac{3}{5}$                       greater than 1                      less than 1

c)  $1\frac{1}{4} - \frac{1}{3}$                       greater than 1                      less than 1

d)  $3\frac{5}{8} - 2\frac{5}{9}$                       greater than 1                      less than 1

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

a)  $\frac{1}{4} + \frac{2}{3}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

b)  $\frac{3}{7} - \frac{1}{8}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

c)  $1\frac{1}{7} - \frac{7}{8}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

d)  $\frac{3}{7} + \frac{2}{6}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

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

a)  $5\frac{2}{3} + 3\frac{3}{4}$  \_\_\_\_\_  $8\frac{2}{3}$

c)  $5\frac{1}{2} + 1\frac{3}{7}$  \_\_\_\_\_  $6 + \frac{13}{14}$

b)  $4\frac{5}{8} - 3\frac{2}{5}$  \_\_\_\_\_  $1\frac{5}{8} + \frac{2}{5}$

d)  $15\frac{4}{7} - 11\frac{2}{5}$  \_\_\_\_\_  $4\frac{4}{7} + \frac{2}{5}$

4. Is it true that  $4\frac{3}{5} - 3\frac{2}{3} = 1 + \frac{3}{5} + \frac{2}{3}$ ? Prove your answer.
5. Jackson needs to be  $1\frac{3}{4}$  inches taller in order to ride the roller coaster. Since he can't wait, he puts on a pair of boots that add  $1\frac{1}{6}$  inches to his height, and slips an insole inside to add another  $\frac{1}{8}$  inches to his height. Will this make Jackson appear tall enough to ride the roller coaster?
6. A baker needs 5 lb of butter for a recipe. She found 2 portions that each weigh  $1\frac{1}{6}$  lb and a portion that weighs  $2\frac{2}{7}$  lb. Does she have enough butter for her recipe?

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Circle the correct answer.

1.  $\frac{1}{2} + \frac{5}{12}$

greater than 1

less than 1

2.  $2\frac{7}{8} + 1\frac{7}{9}$

greater than 1

less than 1

3.  $1\frac{1}{12} - \frac{7}{10}$

greater than  $\frac{1}{2}$ 

less than

4.  $\frac{3}{7} + \frac{1}{8}$

greater than  $\frac{1}{2}$ less than  $\frac{1}{2}$ 5. Use  $>$ ,  $<$ , or  $=$  to make the following statement true.

$$4\frac{4}{5} + 3\frac{2}{3} \text{ \_\_\_\_\_\_ } 8\frac{1}{2}$$

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?