

Name _____

Date _____

1. Determine the following sums and differences. Show your work.

a. $3 \text{ qt} + 1 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

b. $2 \text{ gal } 1 \text{ qt} + 3 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

c. $1 \text{ gal} - 1 \text{ qt} = \underline{\hspace{2cm}} \text{ qt}$

d. $5 \text{ gal} - 1 \text{ qt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ qt}$

e. $2 \text{ c} + 2 \text{ c} = \underline{\hspace{2cm}} \text{ qt}$

f. $1 \text{ qt } 1 \text{ pt} + 3 \text{ pt} = \underline{\hspace{2cm}} \text{ qt}$

g. $2 \text{ qt} - 3 \text{ pt} = \underline{\hspace{2cm}} \text{ pt}$

h. $5 \text{ qt} - 3 \text{ c} = \underline{\hspace{2cm}} \text{ qt } \underline{\hspace{2cm}} \text{ c}$

2. Find the following sums and differences. Show your work.

a. $6 \text{ gal } 3 \text{ qt} + 3 \text{ qt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ qt}$

b. $10 \text{ gal } 3 \text{ qt} + 3 \text{ gal } 3 \text{ qt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ qt}$

c. $9 \text{ gal } 1 \text{ pt} - 2 \text{ pt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ pt}$

d. $7 \text{ gal } 1 \text{ pt} - 2 \text{ gal } 7 \text{ pt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ pt}$

e. $16 \text{ qt } 2 \text{ c} + 4 \text{ c} = \underline{\hspace{2cm}} \text{ qt } \underline{\hspace{2cm}} \text{ c}$

f. $6 \text{ gal } 5 \text{ pt} + 3 \text{ gal } 3 \text{ pt} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ pt}$

3. The capacity of a pitcher is 3 quarts. Right now, it contains 1 quart 3 cups of liquid. How much more liquid can the pitcher hold?

4. Dorothy follows the recipe in the table to make her grandma's cherry lemonade.

- a. How much lemonade does the recipe make?

Cherry Lemonade	
Ingredient	Amount
Lemon Juice	5 pints
Sugar Syrup	2 cups
Water	1 gallon 1 quart
Cherry Juice	3 quarts

- b. How many more cups of water could Dorothy add to the recipe to make an exact number of gallons of lemonade?