Name: .... Class: ....

Add and subtract mixed numbers - word problems

a. Maria wants to fry Irish potato and sweet potato chips. So she went to the supermarket and bought $6\frac{1}{2}$ pounds of Irish potatoes and $7\frac{3}{4}$ pounds of sweet potatoes. How many pounds of potatoes did Maria buy in all?
(write your answer as a mixed number).

b. Katy is learning how to make cupcakes. Amongst other things she has to use, the recipe calls for $5\frac{7}{15}$ cups of milk, flour mixture and $2\frac{1}{2}$ cups of milk to make buttercream for icing the cupcakes. How many cups of milk is required to make the cupcakes and the buttercream altogether?
(write your answer as a mixed number).

c. Miss Edith has beautiful chairs in her house. She wants to make some attractive pillow covers and placed them on her beautiful chairs. She went to the store to buy $2\frac{2}{9}$ of a yard of a purple fabric and $1\frac{1}{5}$ of a yard of a white fabric. How many more yards of purple fabric did Miss Edith buy than white fabric.
(write your answer as a mixed number).

d. Frank owns $87\frac{34}{45}$ acres big farm. He used $16\frac{7}{9}$ acres of the farm to plant corn, and another $27\frac{3}{5}$ acres of the farm to plant watermelon. He intends to plant tomatoes in the remaining part of the farm. How many acres of the farm is left for tomatoes?

e. Of the 30 and half students in the class, two and a half students have red hair and nine and three quarter students in the class have blond hair. What fraction of the students have normal hair?

f. Allan owns $50\frac{1}{10}$ hectares of farm in his community. His friend is into farming too and owns $87\frac{8}{10}$ hectare of farm in his own community. How much more hectare of farm does his friend has than him?

g. Johnson and Caryn weighed their pet dogs at once on a weighing scale. The total weight of the pets was $20\frac{4}{5}$ pounds. Caryn decided to know how much her own pet weighs alone. If Caryn's pet weighed $9\frac{2}{5}$ pounds, what is the weight of Johnson's pet?

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Addition

▸ Irish potatoes: $6\frac{1}{2}$

▸ Sweet potatoes: $7\frac{3}{4}$

$$6\frac{1}{2} + 7\frac{3}{4} = \frac{55}{4} = 14\frac{1}{4}$$

Maria bought $14\frac{1}{4}$ pounds of potatoes.

b. $7\frac{29}{30}$ cups of milk are required to make cupcakes and buttercream.

c. Miss Edith bought $1\frac{1}{45}$ more yard of purple fabric than white fabric.

d. So, $43\frac{17}{45}$ acres of the farm is left for planting tomatoes.

e. So, $18\frac{1}{4}$ of the students has normal hair.

f. So, his friend has $37\frac{7}{10}$ more hectares of farm than him.

g. So, Johnson's pet weighs $19\frac{2}{5}$ pounds.