

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 cup cakes. 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 cup cakes. 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)

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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)

► Irish potatoes:  $6\frac{1}{2}$

► Sweet potatoes:  $7\frac{3}{4}$

Addition

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

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

- b. Katy is learning how to make cup cakes. 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 cup cakes. How many cups of milk is required to make the cupcakes and the buttercream altogether ?

(write your answer as a mixed number)

► flour mixture:  $5\frac{7}{15}$

► buttercream:  $2\frac{1}{2}$

Addition

$$5\frac{7}{15} + 2\frac{1}{2} = \frac{239}{30} = 7\frac{29}{30}$$

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



- 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)

► purple fabric:  $2\frac{2}{9}$

► white fabric:  $1\frac{1}{5}$

Addition

$$2\frac{2}{9} - 1\frac{1}{5} = \frac{46}{45} = 1\frac{1}{45}$$

Miss Edith bought  $1\frac{1}{45}$  yard of a purple fabric.