

Name: Class:

Add and subtract mixed numbers - word problems

1. 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).

2. 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).



3. 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

1. 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.

2. 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.



3. 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.