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

Add and subtract fractions with like denominators word problems

1. Mercy had $\frac{7}{8}$ of a packet of candies. After she ate some, $\frac{3}{8}$ of a packed remained. What fraction of the packet of candies did Mercy eat?

2. Rita is making cupcakes. She needs $\frac{3}{4}$ cup of granulated sugar and $\frac{1}{4}$ cup of icing sugar. How much sugar will Rita use in all?

3. Yesterday, Alice walked $\frac{3}{9}$ of a mile to school. Walters walked $\frac{8}{9}$ of a mile to school How much further did walters walk than Alice?

mathskills4kids

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1. Mercy had $\frac{7}{8}$ of a packet of candies. After she ate some, $\frac{3}{8}$ of a packed remained. What fraction of the packet of candies did Mercy eat?

Total fraction of a packet of candies = $\frac{7}{8}$

Fraction of a packet of candies left after she ate some = $\frac{3}{8}$

Now, fraction of the packet of candies she ate =

$$\frac{7}{8} - \frac{3}{8} = \frac{7-3}{8} = \frac{4}{8} = \frac{1}{2}$$

So, she ate $\frac{1}{2}$ of the packet of candies.

2. Rita is making cupcakes. She needs $\frac{3}{4}$ cup of granulated sugar and $\frac{1}{4}$ cup of icing sugar. How much sugar will Rita use in all?

Amount of granulated sugar needed = $\frac{3}{4}$

Amount of icing sugar needed = $\frac{1}{4}$

So, amount of sugar needed in all = Amount of granulated sugar needed plus amount of brown sugar needed.

$$\frac{3}{4} + \frac{1}{4} = \frac{3+1}{4} = \frac{4}{4}$$

So, she'll use 1 cup of sugar in all.

3. Yesterday, Alice walked $\frac{3}{9}$ of a mile to school. Walters walked $\frac{8}{9}$ of a mile to school How much further did walters walk than Alice?

Distance walked by Alice = $\frac{3}{9}$

Distance walked by Walters = $\frac{8}{9}$

So, distance Walters walked further than Alice = Distance walters walked minus distance Alice walked

$$\frac{8}{9} - \frac{3}{9} = \frac{8-3}{9} = \frac{5}{9}$$

So, Walters walked $\frac{5}{9}$ of a mile further than Alice.