Fraction word problems

Grade 3 Math Word Problems Worksheet

One cold Saturday, Mary decided to bake some cake for her family and some of their neighbors.

1. For her family, she baked one big chocolate cake with caramel frosting. If her brother ate $\frac{5}{12}$ of the cake, how much is left for the rest of the family to eat?

2. Mary also baked a mocha flavored cake for her best friends. She divided it into 10 slices. If she gave 4 slices to Joan and 5 slices to Leslie, what fraction of the cake did she give away?

3. She then made 3 whole carrot cakes for her elderly neighbors. Each carrot cake was sliced into 8. She gave 7 slices from one cake to Mrs. Johnson who lives next door, how much does Mary have left?

4. She also made $2\frac{9}{12}$ servings of strawberry cheesecake for her Aunt Lily. If her cousin Charlie ate $\frac{7}{12}$ servings, how many servings of cheesecake are left?

5. Lastly, she made vanilla flavored cake for her favorite classmates. She then gave $3\frac{4}{12}$ servings to Mark and $9\frac{7}{12}$ servings to Angela. How many servings of vanilla cake did she give away?

Answers

1. $1 - \frac{5}{12} = \frac{12}{12} - \frac{5}{12} = \frac{7}{12}$

    There was $\frac{7}{12}$ of the cake left for the family to eat.

2. $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$

    She gave away $\frac{9}{10}$ of the mocha cake to Leslie and Joan.

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

    Mary has $2\frac{1}{8}$ of the carrot cake left.

4. $2\frac{9}{12} - \frac{7}{12} = 2\frac{2}{12}$ or simply $2\frac{1}{6}$

    There were $2\frac{2}{12}$ or $12\frac{11}{12}$ servings of cheesecake left.

5. $3\frac{4}{12} + 9\frac{7}{12} = 12\frac{11}{12}$

    She gave away $12\frac{11}{12}$ servings of vanilla flavored cake.