

## Fraction word problems

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### Grade 5 Word Problems Worksheets

Read and answer each question:

Emily works at the coffee shop.

1. The coffee cups can hold  $\frac{7}{9}$  of a pint of liquid. If Emily pours  $\frac{2}{3}$  of a pint of coffee into a cup, how much milk can a customer add?
2. The capacity of the two milk pitchers on the counter is  $\frac{9}{10}$  liter each. One pitcher has  $\frac{3}{8}$  of a liter of milk in it and the other pitcher has  $\frac{5}{12}$  of a liter milk in it. How much milk is there altogether?
3. Each large cookie is  $\frac{5}{6}$  oz and each small cookie is  $\frac{4}{9}$  oz. What is the total weight of 2 large cookies and 1 small cookie?
4. The coffee shop also sells small bags of coffee beans. The bags come in two sizes:  $\frac{4}{5}$  kilogram and  $\frac{7}{12}$  kilogram. How much more coffee does the bigger bag have?
5. There were two cheesecakes in the fridge. The first cheesecake was cut into 16 slices and there are 3 slices left. The other cheesecake was cut into 10 slices and 4 slices were sold. How much cake is left in the fridge?
6. There is a bag of sugar in the storage room. The bag contained  $\frac{4}{5}$  kilograms of sugar. The chef filled up an empty can with  $\frac{1}{10}$  kilogram of sugar and then used  $\frac{3}{20}$  of a kilogram of sugar for a cake. How much sugar was left in the bag?



## Answers

1.  $\frac{7}{9} - \frac{2}{3} = \frac{7}{9} - \frac{6}{9} = \frac{1}{9}$

The customer can put in  $\frac{1}{9}$  of a pint of milk in the cup.

2.  $\frac{3}{8} + \frac{5}{12} = \frac{19}{24}$

There is  $\frac{19}{24}$  of a liter of milk altogether.

3.  $\frac{5}{6} + \frac{5}{6} + \frac{4}{9} = 2\frac{1}{9}$

The total weight of 2 large cookies and 1 small cookie is  $2\frac{1}{9}$  oz.

4.  $\frac{4}{5} - \frac{7}{12} = \frac{13}{60}$

The bigger bag has  $\frac{13}{60}$  kilogram more coffee beans than the smaller bag.

5.  $\frac{3}{16} + \frac{6}{10} = \frac{63}{80}$

There is  $\frac{63}{80}$  of a cheesecake left in the fridge.

6.  $\frac{4}{5} - \frac{1}{10} - \frac{3}{20} = \frac{11}{20}$

$\frac{11}{20}$  kilograms of sugar was left in the bag.