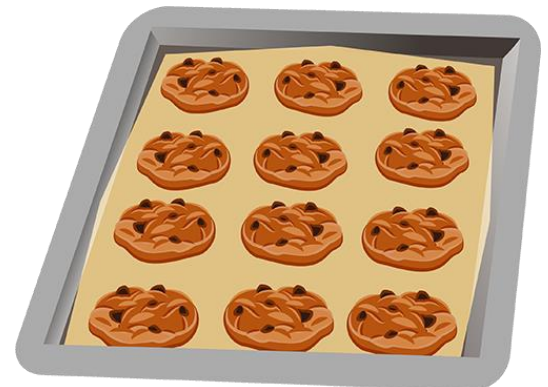


## Multiplying fractions by whole numbers

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### Grade 4 Word Problems Worksheet

1. A dozen loaves of cheese bread require  $\frac{3}{4}$  of a bag of flour and  $\frac{2}{3}$  of a box of cheese. How much flour will be needed to make 8 dozen loaves of cheese bread?
2. Mrs. Grayson uses  $\frac{2}{3}$  of a dozen eggs to make a small chiffon cake. If she wants to bake 6 small chiffon cakes, how many dozen eggs does she need?
3. A batch of chocolate cookies requires  $\frac{2}{3}$  of a pack of chocolate chip and  $\frac{1}{3}$  of a pack of sugar. Mom will be baking 9 batches. How many packs of chocolate chips does she need to buy?



4. Grandma takes  $\frac{3}{4}$  of an hour to bake a dozen cheese rolls. How much time does she need to bake 7 dozen cheese rolls?
5. Martha spent  $\frac{1}{2}$  an hour each day for 8 days perfecting her baking skills. Mary spent  $\frac{1}{3}$  of an hour each day for 12 days perfecting her baking skills. Who spent less time in perfecting their baking skills?
6. Each student in baking class needs  $\frac{7}{8}$  of a bag of flour and  $\frac{2}{3}$  of a bag of skimmed milk for each class. Ms. Williams has 9 students in her class today. How much flour will they need altogether?

## Answers

1.  $\frac{3}{4} \times 8 = 6$   
They will need 6 bags of flour to bake 8 dozen loaves of cheese bread.
2.  $\frac{2}{3} \times 6 = 4$   
Mrs. Grayson needs 4 dozen eggs to make 6 small chiffon cakes.
3.  $\frac{2}{3} \times 9 = 6$   
Mom needs to buy 6 packs of chocolate chips.
4.  $\frac{3}{4} \times 7 = \frac{21}{4} = 5\frac{1}{4}$   
 $\frac{1}{4} \times 60 \text{ minutes} = 15 \text{ minutes}$   
Grandma will take 5 hours and 15 minutes to bake 7 dozen cheese rolls.
5.  $\frac{1}{2} \times 8 = 4$   
Martha spent 4 hours in total perfecting her baking skills.  
  
 $\frac{1}{3} \times 12 = 4$   
Mary also spent 4 hours in total perfecting her baking skills.  
  
They spent the same amount of time perfecting their baking skills.
6.  $\frac{7}{8} \times 9 = \frac{63}{8} = 7\frac{7}{8}$   
So, they need  $7\frac{7}{8}$  bags of flour altogether.