

## Grade 5 Math Word Problems Worksheet

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*Read and answer each question. Show your work!*

### Multiplying Fractions Word Problems #1

1. A dime is  $\frac{1}{2}$  inch wide. If you put 5 dimes end to end, how long would they be from beginning to end?
2. You have 10 cookies and want to give  $\frac{1}{2}$  of them to a friend. How many do you give to your friend?
3. You have 8 donuts and you want to give  $\frac{1}{4}$  of them to a friend. How many donuts would your friend get?
4. You have 6 donuts and you want to give  $\frac{2}{3}$  of them to a friend and keep the rest for yourself. How many donuts would your friend get?
5. Five friends buy a package of 12 cookies and want to share them equally. Each friend will get  $\frac{1}{5}$  of the cookies. How much will each friend get?

6.  $\frac{3}{4}$  of a pan of brownies was sitting on the counter. You decided to eat  $\frac{1}{3}$  of the brownies in the pan. How much of the whole pan of brownies did you eat?
  
7. You have  $\frac{2}{3}$  of a pumpkin pie left over from Thanksgiving. You want to give  $\frac{1}{2}$  of it to your sister. How much of the whole pumpkin pie will this be?

## Answers

1.  $1/2 \times 5/1 = 5/2$ . Divide  $5 \div 2$  to get 2 remainder 1, which is  $2 \frac{1}{2}$ .  
They would be  $2 \frac{1}{2}$  inches long.
2.  $10/1 \times 1/2 = 10/2$ . Divide  $10 \div 2$  to get 5.  
You give 5 cookies to your friend.
3.  $8/1 \times 1/4 = 8/4$ . Divide  $8 \div 4$  to get 2.  
Your friend gets 2 donuts.
4.  $6/1 \times 2/3 = 12/3$ . Divide  $12 \div 3$  to get 4.  
Your friend gets 4 donuts.
5.  $12/1 \times 1/5 = 12/5$ . Divide  $12 \div 5$  to get 2 remainder 2, which is  $2 \frac{2}{5}$ .  
Each friend gets  $2 \frac{2}{5}$  cookies.
6.  $3/4 \times 1/3 = 3/12$ , which reduces to  $1/4$ .  
You ate  $\frac{1}{4}$  of the pan.
7.  $2/3 \times 1/2 = 2/6$ , which reduces to  $1/3$ .  
This will be  $\frac{1}{3}$  of the whole pie.