

Grade 5 Math Word Problems Worksheet

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?

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.