

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Adding and Subtracting Fractions Word Problems #1

1. You give $\frac{1}{3}$ of a pan of brownies to Susan and $\frac{1}{6}$ of the pan of brownies to Patrick. How much of the pan of brownies did you give away?
2. You go out for a long walk. You walk $\frac{3}{4}$ mile and then sit down to take a rest. Then you walk $\frac{3}{8}$ of a mile. How far did you walk altogether?
3. Pam walks $\frac{7}{8}$ of a mile to school. Paul walks $\frac{1}{2}$ of a mile to school. How much farther does Pam walk than Paul?
4. A school wants to make a new playground by cleaning up an abandoned lot that is shaped like a rectangle. They give the job of planning the playground to a group of students. The students decide to use $\frac{1}{4}$ of the playground for a basketball court and $\frac{3}{8}$ of the playground for a soccer field. How much is left for the swings and play equipment?
5. Marty made two types of cookies. He used $\frac{2}{3}$ cup of sugar for one recipe and $\frac{1}{4}$ cup of sugar for the other. How much sugar did he use in all?

Answers

1. The common denominator is 6. $\frac{2}{6} (1 \cdot \frac{2}{3} \cdot 2) + \frac{1}{6} = \frac{3}{6}$, which simplifies to $\frac{1}{2}$.
You have given away $\frac{1}{2}$ of the pan.
2. The common denominator is 8. $\frac{6}{8} (3 \cdot \frac{2}{4} \cdot 2) + \frac{3}{8} = \frac{9}{8}$. We can divide 9 by 8 to get 1 remainder 1, which makes the mixed number $1 \frac{1}{8}$.
You walked $1 \frac{1}{8}$ mile.
3. The common denominator is 8. $\frac{7}{8} - \frac{4}{8} (1 \cdot \frac{4}{2} \cdot 4) = \frac{3}{8}$.
She walks $\frac{3}{8}$ of a mile farther.
4. The common denominator is 8. $\frac{2}{4} (1 \cdot \frac{2}{2} \cdot 2) + \frac{3}{8} = \frac{5}{8}$ of the playground is used. $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$ is left.
 $\frac{3}{8}$ is left.
5. The common denominator is 12. $\frac{8}{12} (2 \cdot \frac{4}{3} \cdot 4) + \frac{3}{12} (1 \cdot \frac{3}{4} \cdot 3) = \frac{11}{12}$.
He used $\frac{11}{12}$ cup of sugar.