

Multiplying Fractions by Whole Numbers Word Problems

1. Kenneth is having a pizza party. Each person at the party will eat $\frac{3}{8}$ of a pizza. If 6 people attend the party, how many slices of pizza does Kenneth need?

2. Regina walked $\frac{1}{6}$ of a mile each day for 8 days. How many miles did she walk in all?

3. Tina swam $\frac{2}{4}$ of a mile on Monday, Wednesday, and Friday. How many miles did she swim on all three days?

4. Jack baked brownies. He is going to give each of his friends $\frac{1}{6}$ of a pan. How many brownies does he need if he is going to give brownies to 5 friends?

5. Tracey baked several pies for her 8 family members. If each family member eats $\frac{3}{5}$ of a pie, how many pieces does she need to have baked?

6. Mrs. Smith cooked 3 pounds of broccoli for her family. If her family only ate $\frac{1}{3}$ of the broccoli she made, how much did they eat?

7. One day it rained 6 inches. The next day it rained $\frac{1}{4}$ the amount. How much did it rain the second day?

8. Frank ran 5 miles on Monday. The next day, he ran $\frac{3}{8}$ of that distance. How much did he run the next day?

9. Amelia walked $\frac{5}{6}$ of a mile every day for 3 days. How much did she walk in all?

10. Sammy had 3 pies. He ate $\frac{2}{3}$ of each pie. How much pie did he eat in all?

Answers

1. Kenneth is having a pizza party. Each person at the party will eat $\frac{3}{8}$ of a pizza. If 6 people attend the party, how many slices of pizza does Kenneth need?
 $6 \times \frac{3}{8} = \frac{18}{8} = 2\frac{2}{8} = 2\frac{1}{4}$
2. Regina walked $\frac{1}{6}$ of a mile each day for 8 days. How many miles did she walk in all?
 $8 \times \frac{1}{6} = \frac{8}{6} = 1\frac{2}{6} = 1\frac{1}{3}$
3. Tina swam $\frac{2}{4}$ of a mile on Monday, Wednesday, and Friday. How many miles did she swim on all three days?
 $3 \times \frac{2}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
4. Jack baked brownies. He is going to give each of his friends $\frac{1}{6}$ of a pan. How many brownies does he need if he is going to give brownies to 5 friends?
 $5 \times \frac{1}{6} = \frac{5}{6}$
5. Tracey baked several pies for her 8 family members. If each family member eats $\frac{3}{5}$ of a pie, how many pieces does she need to have baked?
 $8 \times \frac{3}{5} = \frac{24}{5} = 4\frac{4}{5}$
6. Mrs. Smith cooked 3 pounds of broccoli for her family. If her family only ate $\frac{1}{3}$ of the broccoli she made, how much did they eat?
 $3 \times \frac{1}{3} = \frac{3}{3} = 1$
7. One day it rained 6 inches. The next day it rained $\frac{1}{4}$ the amount. How much did it rain the second day?
 $6 \times \frac{1}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
8. Frank ran 5 miles on Monday. The next day, he ran $\frac{3}{8}$ of that distance. How much did he run the next day?
 $5 \times \frac{3}{8} = \frac{15}{8} = 1\frac{7}{8}$
9. Amelia walked $\frac{5}{6}$ of a mile every day for 3 days. How much did she walk in all?
 $3 \times \frac{5}{6} = \frac{15}{6} = 2\frac{3}{6} = 2\frac{1}{2}$
10. Sammy had 3 pies. He ate $\frac{2}{3}$ of each pie. How much pie did he eat in all?
 $3 \times \frac{2}{3} = \frac{6}{3} = 2$