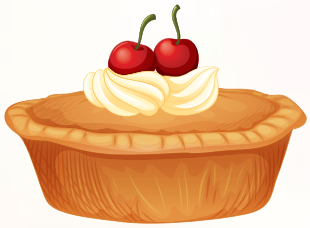
Solve Mixed Numbers Division by Fraction Word Problems



1.

Jessy baked $2\frac{1}{4}$ pies for a party. Each pie needs to be divided equally among $\frac{3}{4}$ of a family. How many families can be served?

2.

A farmer has $6\frac{1}{2}$ acres of land. He wants to divide the land equally among $\frac{1}{3}$ of his cows for grazing. How many cows can graze on each acre?

3.

Liam bought $2\frac{1}{3}$ pounds of candy. He wants to divide it equally among $\frac{2}{3}$ of his friends. How many pounds of candy will each friend receive?

4.

Jack has a $1\frac{2}{3}$ foot long rope. He wants to cut it into pieces that are $\frac{3}{4}$ of a foot long each. How many pieces can he make?

5.

A pizza parlor sells $9\frac{1}{2}$ foot long pizzas. Each pizza needs to be divided equally among $\frac{5}{8}$ of a group. How many feet of pizza will each person in the group get?

6.

JK has $1\frac{1}{4}$ gallons of paint. He wants to divide it equally among $\frac{3}{4}$ of his painting crew. How many gallons of paint will each crew member receive?

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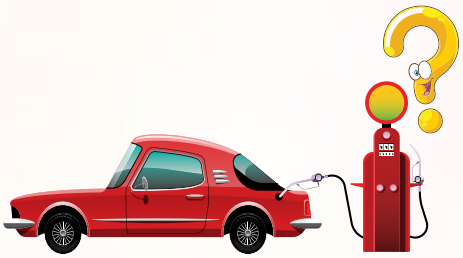
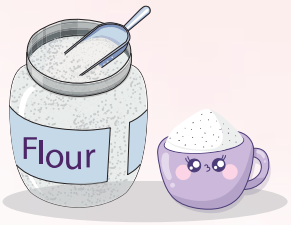


1.

A car traveled $3\frac{1}{3}$ miles on $\frac{2}{3}$ of a gallon of gas. How many miles per gallon did the car achieve?

2.

A cake recipe requires $2\frac{1}{4}$ cups of flour. If $\frac{3}{4}$ of the recipe is used, how many cups of flour are needed?



3.

Tyler ran $5\frac{1}{4}$ miles in $\frac{5}{8}$ of an hour. What was his average speed in miles per hour?

4.

A construction crew built $3\frac{2}{3}$ houses in $\frac{5}{6}$ of a month. How many houses can they build in one month?

5.

A store sells apples in bags, and each bag contains $5\frac{1}{4}$ pounds of apples. If a customer wants to buy $\frac{3}{8}$ of a bag, how many pounds of apples will they get?

6.

Luv walked $1\frac{2}{3}$ miles in $\frac{1}{3}$ of an hour. What was his average speed in miles per hour?

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