Name : ___

Word Problems of Dividing Fractions by Cross Canceling

1. Amy wants to bake $\frac{3}{4}$ of a cake recipe, but the recipe calls for $\frac{2}{3}$ of a cup of sugar. How much sugar should Amy use?

Solve : _____

2. A wall is $\frac{5}{6}$ covered with paint. If a painter can cover $\frac{2}{3}$ of the remaining area in one coat, how much of the wall will be painted after one coat?

Solve : _____

3. A car can travel $\frac{4}{5}$ of a mile on $\frac{3}{4}$ gallon of gas. How far can the car travel on 1 gallon of gas?

Solve : _____

4. Samantha is making a fruit juice blend using $\frac{1}{2}$ cup of orange juice and $\frac{3}{4}$ cup of apple juice. If she wants to make $1\frac{1}{2}$ cups of the blend, how much of each juice should she use?

Solve : _____

5. A recipe for cookies calls for $\frac{2}{3}$ cup of sugar to make 15 cookies. If Sarah wants to make 45 cookies, how much sugar does she need?

Solve : _____

6. A tank is filled with water up to $\frac{5}{4}$ of its capacity. If the tank is then filled with $\frac{3}{4}$ of a liquid, what fraction of the tank's total capacity is filled with the liquid?

Solve : _____

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7. John has a rectangular garden plot that is $\frac{5}{6}$ full. If he divides the plot equally among 3 friends, what fraction of the original plot will each friend receive?

Solve : _____

8. A room is $\frac{2}{3}$ painted. If a painter can complete $\frac{3}{4}$ of the remaining painting in one hour, how much more time is needed to finish painting the room?

Solve : _____

9. A farmer has $\frac{3}{4}$ of a bag of animal feed. If he feeds each animal $\frac{1}{2}$ of a bag, how many animals can he feed?

Solve : _____

10. Emily has $\frac{7}{8}$ of a bag of candies, and she wants to share them equally among herself and 4 friends. How many candies will each person receive?

Solve : _____

11. A recipe for a smoothie calls for $\frac{3}{4}$ cup of yogurt. If $\frac{2}{3}$ of the yogurt is used to make the smoothie, what fraction of the original amount of yogurt is used in the smoothie?

Solve : _____

12. A car travels $\frac{2}{3}$ of a distance in $\frac{1}{2}$ hour. How long will it take the car to travel the entire distance?

Solve : _____