

Dividing Fractions by Mixed Numbers Word Problems

1. Two friends are driving separate cars on a road trip. The first friend travels $3\frac{2}{3}$ hours and covers $5\frac{1}{4}$ times the distance the second friend travels in $2\frac{1}{2}$ hours. How much farther did the first friend travel?

Solve : ____

2. Two painters are working on a house. The first painter can paint $2\frac{3}{4}$ walls in $1\frac{1}{3}$ hours, while the second painter can paint $1\frac{2}{5}$ walls in $\frac{3}{4}$ hours. Who is the more efficient painter?

Solve : ____

3. In a cooking competition, two chefs have to divide a $7\frac{1}{2}$ pound turkey into equal servings. Chef A plans to serve $2\frac{1}{3}$ servings, while Chef B plans to serve $3\frac{3}{4}$ servings. How many servings will each chef get?

Solve : ____

4. Two construction workers are building a wall. The first worker can lay $4\frac{1}{2}$ feet of bricks in $2\frac{1}{4}$ hours, while the second worker can lay $2\frac{3}{8}$ feet of bricks in $1\frac{1}{2}$ hours. Who is the faster bricklayer?

Solve : ____

5. Two gardeners are working on a rectangular garden bed. The first gardener can complete $\frac{1}{3}$ of the garden in $2\frac{1}{2}$ hours, while the second gardener can complete $\frac{2}{5}$ of the garden in $3\frac{3}{4}$ hours. Who is making faster progress?

Solve : ____

6. Two siblings are sharing a bag of candies. The first sibling has $3\frac{3}{4}$ bags of candies and wants to share them with $1\frac{1}{2}$ friends. The second sibling has $5\frac{1}{8}$ bags of candies and wants to share them with $2\frac{1}{4}$ friends. Who has more candies left after sharing?

Solve : ____

7. Two friends have different exercise routines. The first friend can complete $2\frac{1}{3}$ miles of jogging in $\frac{3}{4}$ of an hour, while the second friend can complete $1\frac{3}{5}$ miles of jogging in $\frac{5}{6}$ of an hour. Who has the faster jogging pace?

Solve : _____

8. Two artists are working on a mural. The first artist can complete $2\frac{3}{5}$ square feet of the mural in $1\frac{1}{4}$ hours, while the second artist can complete $3\frac{1}{3}$ square feet of the mural in $2\frac{1}{2}$ hours. Who is the more productive artist?

Solve : _____

9. Two bakers are competing in a bake-off. The first baker can bake $1\frac{3}{4}$ dozen cookies in $\frac{2}{3}$ of an hour, while the second baker can bake $2\frac{1}{2}$ dozen cookies in $\frac{3}{4}$ of an hour. Who can bake more cookies in one hour?

Solve : _____

10. Two farmers are harvesting crops in their fields. The first farmer can harvest $4\frac{1}{3}$ acres of land in $1\frac{1}{2}$ hours, while the second farmer can harvest $3\frac{2}{5}$ acres of land in $1\frac{1}{4}$ hours. Who is the more efficient harvester?

Solve : _____

11. Two students are cleaning their classroom. The first student can clean $\frac{1}{5}$ of the classroom in $3\frac{1}{2}$ hours, while the second student can clean $\frac{2}{3}$ of the classroom in $2\frac{1}{4}$ hours. Who will finish cleaning the classroom first?

Solve : _____

12. Two event planners are organizing a party. The first planner can set up $5\frac{1}{2}$ tables in $1\frac{3}{4}$ hours, while the second planner can set up $4\frac{1}{4}$ tables in $2\frac{1}{2}$ hours. Who is the faster event planner at setting up tables?

Solve : _____