Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 4 of 10

Read each problem. Write a division equation with a unit fraction and solve. Include the unit in your answer. Draw a picture if it helps.

1. A baker has 5 cups of flour. Each batch of rolls uses 1/4 cup of flour. How many batches can the baker make?

Equation: **5 ÷ 1/4 = 20** Answer: **20 batches**

2. A gardener has 9 pounds of seeds. Each row of the garden needs 1/4 pound of seeds. How many rows can be planted?

Equation: **9 ÷ 1/4 = 36** Answer: **36 rows**

3. There is 1/5 gallon of paint. 5 students share it equally. How much paint does each student get?

Equation: **1/5 ÷ 5 = 1/25** Answer: **1/25 gallon**

4. Leo has 1/5 pound of trail mix. He puts the same amount into each of 2 bags. How many pounds of trail mix go in each bag?

Equation: **1/5 ÷ 2 = 1/10** Answer: **1/10 pound**

5. A pitcher holds 9 liters of water. Each glass holds 1/4 liter. How many glasses can be filled?

Equation: **9 ÷ 1/4 = 36** Answer: **36 glasses**

6. There is 1/2 of a pan of cornbread left. 3 friends share it equally. What fraction of the whole pan does each friend get?

Equation: **1/2 ÷ 3 = 1/6** Answer: **1/6 of the pan**

7. A team walks 1/5 mile in 6 equal laps around the gym. How long is each lap?

Equation: **1/5 ÷ 6 = 1/30** Answer: **1/30 mile**

8. Ana has 5 feet of ribbon. She cuts it into pieces that are each 1/7 foot long. How many pieces does she get?

Equation: **5 ÷ 1/7 = 35** Answer: **35 pieces**