Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 2 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 2 cups of flour. Each batch of rolls uses 1/7 cup of flour. How many batches can the baker make?

Equation: **2 ÷ 1/7 = 14** Answer: **14 batches**

2. A pitcher holds 5 liters of water. Each glass holds 1/7 liter. How many glasses can be filled?

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

3. A team walks 1/4 mile in 6 equal laps around the gym. How long is each lap?

Equation: **1/4 ÷ 6 = 1/24** Answer: **1/24 mile**

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

Equation: **1/4 ÷ 4 = 1/16** Answer: **1/16 pound**

5. There is 1/4 of a pan of cornbread left. 4 friends share it equally. What fraction of the whole pan does each friend get?

Equation: **1/4 ÷ 4 = 1/16** Answer: **1/16 of the pan**

6. Ana has 4 feet of ribbon. She cuts it into pieces that are each 1/5 foot long. How many pieces does she get?

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

7. A gardener has 8 pounds of seeds. Each row of the garden needs 1/4 pound of seeds. How many rows can be planted?

Equation: **8 ÷ 1/4 = 32** Answer: **32 rows**

8. There is 1/4 gallon of paint. 4 students share it equally. How much paint does each student get?

Equation: **1/4 ÷ 4 = 1/16** Answer: **1/16 gallon**