Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 10 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. There is 1/2 of a pan of cornbread left. 5 friends share it equally. What fraction of the whole pan does each friend get?

Equation: **1/2 ÷ 5 = 1/10** Answer: **1/10 of the pan**

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

Equation: **1/3 ÷ 6 = 1/18** Answer: **1/18 mile**

3. There is 1/4 gallon of paint. 6 students share it equally. How much paint does each student get?

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

4. A pitcher holds 3 liters of water. Each glass holds 1/4 liter. How many glasses can be filled?

Equation: **3 ÷ 1/4 = 12** Answer: **12 glasses**

5. Leo has 1/3 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: **1/3 ÷ 4 = 1/12** Answer: **1/12 pound**

6. Ana has 6 feet of ribbon. She cuts it into pieces that are each 1/7 foot long. How many pieces does she get?

Equation: **6 ÷ 1/7 = 42** Answer: **42 pieces**

7. A baker has 3 cups of flour. Each batch of rolls uses 1/6 cup of flour. How many batches can the baker make?

Equation: **3 ÷ 1/6 = 18** Answer: **18 batches**

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

Equation: **4 ÷ 1/2 = 8** Answer: **8 rows**