Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 1 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. Leo has 1/2 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: **1/2 ÷ 4 = 1/8** Answer: **1/8 pound**

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

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

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

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

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

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

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

Equation: **1/5 ÷ 5 = 1/25** Answer: **1/25 of the pan**

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

Equation: **9 ÷ 1/2 = 18** Answer: **18 rows**

7. There is 1/5 gallon of paint. 4 students share it equally. How much paint does each student get?

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

8. A baker has 2 cups of flour. Each batch of rolls uses 1/4 cup of flour. How many batches can the baker make?

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