Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 7 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 gallon of paint. 5 students share it equally. How much paint does each student get?

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

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

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

3. Leo has 1/2 pound of trail mix. He puts the same amount into each of 6 bags. How many pounds of trail mix go in each bag?

Equation: **1/2 ÷ 6 = 1/12** Answer: **1/12 pound**

4. Ana has 9 feet of ribbon. She cuts it into pieces that are each 1/8 foot long. How many pieces does she get?

Equation: **9 ÷ 1/8 = 72** Answer: **72 pieces**

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

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

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

Equation: **6 ÷ 1/6 = 36** Answer: **36 batches**

7. A gardener has 5 pounds of seeds. Each row of the garden needs 1/3 pound of seeds. How many rows can be planted?

Equation: **5 ÷ 1/3 = 15** Answer: **15 rows**

8. A pitcher holds 4 liters of water. Each glass holds 1/7 liter. How many glasses can be filled?

Equation: **4 ÷ 1/7 = 28** Answer: **28 glasses**