Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 8 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 team walks 1/3 mile in 5 equal laps around the gym. How long is each lap?

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

2. A gardener has 3 pounds of seeds. Each row of the garden needs 1/8 pound of seeds. How many rows can be planted?

Equation: **3 ÷ 1/8 = 24** Answer: **24 rows**

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

Equation: **1/3 ÷ 3 = 1/9** Answer: **1/9 pound**

4. There is 1/4 gallon of paint. 2 students share it equally. How much paint does each student get?

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

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

Equation: **2 ÷ 1/8 = 16** Answer: **16 batches**

6. Ana has 9 feet of ribbon. She cuts it into pieces that are each 1/3 foot long. How many pieces does she get?

Equation: **9 ÷ 1/3 = 27** Answer: **27 pieces**

7. There is 1/6 of a pan of cornbread left. 4 friends share it equally. What fraction of the whole pan does each friend get?

Equation: **1/6 ÷ 4 = 1/24** Answer: **1/24 of the pan**

8. A pitcher holds 9 liters of water. Each glass holds 1/8 liter. How many glasses can be filled?

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