Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 9 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. Ana has 9 feet of ribbon. She cuts it into pieces that are each 1/5 foot long. How many pieces does she get?

Equation: **9 ÷ 1/5 = 45** Answer: **45 pieces**

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

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

3. A gardener has 9 pounds of seeds. Each row of the garden needs 1/8 pound of seeds. How many rows can be planted?

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

4. There is 1/5 gallon of paint. 6 students share it equally. How much paint does each student get?

Equation: **1/5 ÷ 6 = 1/30** Answer: **1/30 gallon**

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

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

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

Equation: **1/5 ÷ 3 = 1/15** Answer: **1/15 of the pan**

7. A baker has 6 cups of flour. Each batch of rolls uses 1/8 cup of flour. How many batches can the baker make?

Equation: **6 ÷ 1/8 = 48** Answer: **48 batches**

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

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