Dividing Unit Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 3 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 1/6 mile in 6 equal laps around the gym. How long is each lap?

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

2. Ana has 5 feet of ribbon. She cuts it into pieces that are each 1/6 foot long. How many pieces does she get?

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

3. A gardener has 3 pounds of seeds. Each row of the garden needs 1/6 pound of seeds. How many rows can be planted?

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

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

Equation: **1/6 ÷ 6 = 1/36** Answer: **1/36 of the pan**

5. A baker has 9 cups of flour. Each batch of rolls uses 1/7 cup of flour. How many batches can the baker make?

Equation: **9 ÷ 1/7 = 63** Answer: **63 batches**

6. There is 1/5 gallon of paint. 3 students share it equally. How much paint does each student get?

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

7. Leo has 1/5 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: **1/5 ÷ 4 = 1/20** Answer: **1/20 pound**

8. A pitcher holds 2 liters of water. Each glass holds 1/6 liter. How many glasses can be filled?

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