Name: _____ Date: _____

Dividing Unit Fractions Word Problems

Grade 5 | Solving word problems that divide unit fractions and whole numbers | Version 6 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 gardener has 3 pounds of seeds. Each row of the garden needs 1/3 pound of seeds. How many rows can be planted?

Equation: _____ Answer: _____

2. A baker has 6 cups of flour. Each batch of rolls uses 1/3 cup of flour. How many batches can the baker make?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

5. A pitcher holds 4 liters of water. Each glass holds 1/2 liter. How many glasses can be filled?

Equation: _____ Answer: _____

6. A team walks 1/6 mile in 2 equal laps around the gym. How long is each lap?

Equation: _____ Answer: _____

7. Leo has 1/4 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: _____ Answer: _____

8. There is 1/2 of a pan of cornbread left. 4 friends share it equally. What fraction of the whole pan does each friend get?

Equation: _____ Answer: _____

Dividing Unit Fractions Word Problems - ANSWER KEY

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

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

2. A baker has 6 cups of flour. Each batch of rolls uses 1/3 cup of flour. How many batches can the baker make?

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

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

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

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

Equation: **4 ÷ 1/8 = 32** Answer: **32 pieces**

5. A pitcher holds 4 liters of water. Each glass holds 1/2 liter. How many glasses can be filled?

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

6. A team walks 1/6 mile in 2 equal laps around the gym. How long is each lap?

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

7. Leo has 1/4 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: **1/4 ÷ 2 = 1/8** Answer: **1/8 pound**

8. There is 1/2 of a pan of cornbread left. 4 friends share it equally. What fraction of the whole pan does each friend get?

Equation: **1/2 ÷ 4 = 1/8** Answer: **1/8 of the pan**