

Dividing Fractions: Word Problems

Name: _____

Grade 5 · Stories that divide a whole number by a unit fraction, or a unit fraction by a whole number

Write a division equation for each story. Then solve it.

1. A baker has 3 pounds of dough. Each roll uses $\frac{1}{4}$ pound of dough. How many rolls can she make?

Answer: _____ rolls

2. 4 friends share $\frac{1}{2}$ gallon of juice equally. What fraction of a gallon does each friend get?

Answer: $\frac{\boxed{}}{\boxed{}}$ gallon

3. A ribbon is 5 yards long. It is cut into pieces that are each $\frac{1}{3}$ yard long. How many pieces are there?

Answer: _____ pieces

4. There is $\frac{1}{3}$ of a pan of brownies left. 2 sisters share it equally. What fraction of the whole pan does each sister get?

Answer: $\frac{\boxed{}}{\boxed{}}$ of the pan

5. A trail is 7 miles long. There is a marker at the end of every $\frac{1}{2}$ mile. How many $\frac{1}{2}$ -mile sections does the trail have?

Answer: _____ sections

6. A gardener has $\frac{1}{4}$ pound of seeds. She puts the same amount into each of 3 bags. What fraction of a pound is in each bag?

Answer: $\frac{\boxed{}}{\boxed{}}$ pound

Dividing Fractions: Word Problems (Answer Key)

Grade 5 · Stories that divide a whole number by a unit fraction, or a unit fraction by a whole number

Write a division equation for each story. Then solve it.

1. A baker has 3 pounds of dough. Each roll uses $\frac{1}{4}$ pound of dough. How many rolls can she make?

$$3 \div \frac{1}{4} = 12$$

Answer: 12 rolls

2. 4 friends share $\frac{1}{2}$ gallon of juice equally. What fraction of a gallon does each friend get?

$$\frac{1}{2} \div 4 = \frac{1}{8}$$

Answer: $\frac{\boxed{1}}{\boxed{8}}$ gallon

3. A ribbon is 5 yards long. It is cut into pieces that are each $\frac{1}{3}$ yard long. How many pieces are there?

$$5 \div \frac{1}{3} = 15$$

Answer: 15 pieces

4. There is $\frac{1}{3}$ of a pan of brownies left. 2 sisters share it equally. What fraction of the whole pan does each sister get?

$$\frac{1}{3} \div 2 = \frac{1}{6}$$

Answer: $\frac{\boxed{1}}{\boxed{6}}$ of the pan

5. A trail is 7 miles long. There is a marker at the end of every $\frac{1}{2}$ mile. How many $\frac{1}{2}$ -mile sections does the trail have?

$$7 \div \frac{1}{2} = 14$$

Answer: 14 sections

6. A gardener has $\frac{1}{4}$ pound of seeds. She puts the same amount into each of 3 bags. What fraction of a pound is in each bag?

$$\frac{1}{4} \div 3 = \frac{1}{12}$$

Answer: $\frac{\boxed{1}}{\boxed{12}}$ pound