Name: _____ Date: _____

Multiplying Fractions Word Problems

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 8 of 10

Read each problem. Write a multiplication equation and solve. Write fraction answers in simplest form and include the unit.

1. Max has 1/2 of a pan of corn bread left. Max eats 1/4 of what is left. What fraction of the whole pan does Max eat?

Equation: _____ Answer: _____

2. A jug holds 1/6 of a gallon of juice. Ivy pours 1/6 of the juice into cups. How much of a gallon does Ivy pour?

Equation: _____ Answer: _____

3. Mia has 40 cards and gives 3/8 of them to a friend. How many cards does Mia give away?

Equation: _____ Answer: _____

4. There are 18 students in a class. 5/6 of them walk to school. How many students walk to school?

Equation: _____ Answer: _____

5. A ribbon is 15 feet long. Ava uses 2/5 of it for a project. How many feet of ribbon does Ava use?

Equation: _____ Answer: _____

6. A garden covers 2/3 of an acre. Beans are planted in 1/3 of the garden. What fraction of an acre has beans?

Equation: _____ Answer: _____

7. Lily walked 5/6 of a mile. Max walked 1/2 as far as Lily. What fraction of a mile did Max walk?

Equation: _____ Answer: _____

8. A trail is 16 miles long. Ava has hiked 3/4 of the trail. How many miles has Ava hiked?

Equation: _____ Answer: _____

Multiplying Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 8 of 10

Read each problem. Write a multiplication equation and solve. Write fraction answers in simplest form and include the unit.

1. Max has 1/2 of a pan of corn bread left. Max eats 1/4 of what is left. What fraction of the whole pan does Max eat?

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

2. A jug holds 1/6 of a gallon of juice. Ivy pours 1/6 of the juice into cups. How much of a gallon does Ivy pour?

Equation: **1/6 × 1/6 = 1/36** Answer: **1/36 of a gallon**

3. Mia has 40 cards and gives 3/8 of them to a friend. How many cards does Mia give away?

Equation: **3/8 × 40 = 15** Answer: **15 cards**

4. There are 18 students in a class. 5/6 of them walk to school. How many students walk to school?

Equation: **5/6 × 18 = 15** Answer: **15 students**

5. A ribbon is 15 feet long. Ava uses 2/5 of it for a project. How many feet of ribbon does Ava use?

Equation: **2/5 × 15 = 6** Answer: **6 feet**

6. A garden covers 2/3 of an acre. Beans are planted in 1/3 of the garden. What fraction of an acre has beans?

Equation: **1/3 × 2/3 = 2/9** Answer: **2/9 of an acre**

7. Lily walked 5/6 of a mile. Max walked 1/2 as far as Lily. What fraction of a mile did Max walk?

Equation: **1/2 × 5/6 = 5/12** Answer: **5/12 of a mile**

8. A trail is 16 miles long. Ava has hiked 3/4 of the trail. How many miles has Ava hiked?

Equation: **3/4 × 16 = 12** Answer: **12 miles**