Name: _____ Date: _____

Multiplying Fractions Word Problems

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

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

1. Zoe has 15 cards and gives 3/5 of them to a friend. How many cards does Zoe give away?

Equation: _____ Answer: _____

2. Omar has 3/4 of a pan of corn bread left. Omar eats 2/3 of what is left. What fraction of the whole pan does Omar eat?

Equation: _____ Answer: _____

3. A ribbon is 32 feet long. Sam uses 3/8 of it for a project. How many feet of ribbon does Sam use?

Equation: _____ Answer: _____

4. A jug holds 1/2 of a gallon of juice. Sam pours 3/4 of the juice into cups. How much of a gallon does Sam pour?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

6. Tess walked 2/3 of a mile. Ben walked 1/3 as far as Tess. What fraction of a mile did Ben walk?

Equation: _____ Answer: _____

7. A trail is 12 miles long. Mia has hiked 3/4 of the trail. How many miles has Mia hiked?

Equation: _____ Answer: _____

8. There are 12 students in a class. 2/3 of them walk to school. How many students walk to school?

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 10 of 10

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

1. Zoe has 15 cards and gives 3/5 of them to a friend. How many cards does Zoe give away?

Equation: **3/5 × 15 = 9** Answer: **9 cards**

2. Omar has 3/4 of a pan of corn bread left. Omar eats 2/3 of what is left. What fraction of the whole pan does Omar eat?

Equation: **2/3 × 3/4 = 1/2** Answer: **1/2 of the pan**

3. A ribbon is 32 feet long. Sam uses 3/8 of it for a project. How many feet of ribbon does Sam use?

Equation: **3/8 × 32 = 12** Answer: **12 feet**

4. A jug holds 1/2 of a gallon of juice. Sam pours 3/4 of the juice into cups. How much of a gallon does Sam pour?

Equation: **3/4 × 1/2 = 3/8** Answer: **3/8 of a gallon**

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

Equation: **1/2 × 1/2 = 1/4** Answer: **1/4 of an acre**

6. Tess walked 2/3 of a mile. Ben walked 1/3 as far as Tess. What fraction of a mile did Ben walk?

Equation: **1/3 × 2/3 = 2/9** Answer: **2/9 of a mile**

7. A trail is 12 miles long. Mia has hiked 3/4 of the trail. How many miles has Mia hiked?

Equation: **3/4 × 12 = 9** Answer: **9 miles**

8. There are 12 students in a class. 2/3 of them walk to school. How many students walk to school?

Equation: **2/3 × 12 = 8** Answer: **8 students**