Name: _____ Date: _____

Multiplying Fractions Word Problems

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

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

1. A ribbon is 15 feet long. Rosa uses 2/3 of it for a project. How many feet of ribbon does Rosa use?

Equation: _____ Answer: _____

2. A garden covers 1/5 of an acre. Beans are planted in 3/5 of the garden. What fraction of an acre has beans?

Equation: _____ Answer: _____

3. Ben has 1/3 of a pan of corn bread left. Ben eats 1/6 of what is left. What fraction of the whole pan does Ben eat?

Equation: _____ Answer: _____

4. A trail is 32 miles long. Eli has hiked 5/8 of the trail. How many miles has Eli hiked?

Equation: _____ Answer: _____

5. Leo has 12 cards and gives 5/6 of them to a friend. How many cards does Leo give away?

Equation: _____ Answer: _____

6. There are 16 students in a class. 5/8 of them walk to school. How many students walk to school?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

8. Ava walked 1/2 of a mile. Zoe walked 2/5 as far as Ava. What fraction of a mile did Zoe walk?

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 5 of 10

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

1. A ribbon is 15 feet long. Rosa uses 2/3 of it for a project. How many feet of ribbon does Rosa use?

Equation: **2/3 × 15 = 10** Answer: **10 feet**

2. A garden covers 1/5 of an acre. Beans are planted in 3/5 of the garden. What fraction of an acre has beans?

Equation: **3/5 × 1/5 = 3/25** Answer: **3/25 of an acre**

3. Ben has 1/3 of a pan of corn bread left. Ben eats 1/6 of what is left. What fraction of the whole pan does Ben eat?

Equation: **1/6 × 1/3 = 1/18** Answer: **1/18 of the pan**

4. A trail is 32 miles long. Eli has hiked 5/8 of the trail. How many miles has Eli hiked?

Equation: **5/8 × 32 = 20** Answer: **20 miles**

5. Leo has 12 cards and gives 5/6 of them to a friend. How many cards does Leo give away?

Equation: **5/6 × 12 = 10** Answer: **10 cards**

6. There are 16 students in a class. 5/8 of them walk to school. How many students walk to school?

Equation: **5/8 × 16 = 10** Answer: **10 students**

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

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

8. Ava walked 1/2 of a mile. Zoe walked 2/5 as far as Ava. What fraction of a mile did Zoe walk?

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