Name: _____ Date: _____

Multiplying Fractions Word Problems

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 1 of 10

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

1. There are 24 students in a class. 3/4 of them walk to school. How many students walk to school?

Equation: _____ Answer: _____

2. Jude has 30 cards and gives 5/6 of them to a friend. How many cards does Jude give away?

Equation: _____ Answer: _____

3. A garden covers 2/5 of an acre. Beans are planted in 5/6 of the garden. What fraction of an acre has beans?

Equation: _____ Answer: _____

4. Leo walked 2/5 of a mile. Mia walked 1/5 as far as Leo. What fraction of a mile did Mia walk?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

7. A trail is 12 miles long. Jude has hiked 2/3 of the trail. How many miles has Jude hiked?

Equation: _____ Answer: _____

8. A ribbon is 48 feet long. Rosa uses 7/8 of it for a project. How many feet of ribbon does Rosa use?

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 1 of 10

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

1. There are 24 students in a class. 3/4 of them walk to school. How many students walk to school?

Equation: **3/4 × 24 = 18** Answer: **18 students**

2. Jude has 30 cards and gives 5/6 of them to a friend. How many cards does Jude give away?

Equation: **5/6 × 30 = 25** Answer: **25 cards**

3. A garden covers 2/5 of an acre. Beans are planted in 5/6 of the garden. What fraction of an acre has beans?

Equation: **5/6 × 2/5 = 1/3** Answer: **1/3 of an acre**

4. Leo walked 2/5 of a mile. Mia walked 1/5 as far as Leo. What fraction of a mile did Mia walk?

Equation: **1/5 × 2/5 = 2/25** Answer: **2/25 of a mile**

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

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

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

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

7. A trail is 12 miles long. Jude has hiked 2/3 of the trail. How many miles has Jude hiked?

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

8. A ribbon is 48 feet long. Rosa uses 7/8 of it for a project. How many feet of ribbon does Rosa use?

Equation: **7/8 × 48 = 42** Answer: **42 feet**