Name: _____ Date: _____

Multiplying Fractions Word Problems

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 7 of 10

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

1. A trail is 30 miles long. Nora has hiked 5/6 of the trail. How many miles has Nora hiked?

Equation: _____ Answer: _____

2. A jug holds 1/5 of a gallon of juice. Nora pours 5/6 of the juice into cups. How much of a gallon does Nora pour?

Equation: _____ Answer: _____

3. There are 30 students in a class. 4/5 of them walk to school. How many students walk to school?

Equation: _____ Answer: _____

4. Nora has 1/4 of a pan of corn bread left. Nora eats 1/3 of what is left. What fraction of the whole pan does Nora eat?

Equation: _____ Answer: _____

5. A ribbon is 16 feet long. Sam uses 3/8 of it for a project. How many feet of ribbon does Sam use?

Equation: _____ Answer: _____

6. Max walked 3/4 of a mile. Eli walked 1/2 as far as Max. What fraction of a mile did Eli walk?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

8. Tess has 12 cards and gives 2/3 of them to a friend. How many cards does Tess give away?

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 7 of 10

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

1. A trail is 30 miles long. Nora has hiked 5/6 of the trail. How many miles has Nora hiked?

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

2. A jug holds 1/5 of a gallon of juice. Nora pours 5/6 of the juice into cups. How much of a gallon does Nora pour?

Equation: **5/6 × 1/5 = 1/6** Answer: **1/6 of a gallon**

3. There are 30 students in a class. 4/5 of them walk to school. How many students walk to school?

Equation: **4/5 × 30 = 24** Answer: **24 students**

4. Nora has 1/4 of a pan of corn bread left. Nora eats 1/3 of what is left. What fraction of the whole pan does Nora eat?

Equation: **1/3 × 1/4 = 1/12** Answer: **1/12 of the pan**

5. A ribbon is 16 feet long. Sam uses 3/8 of it for a project. How many feet of ribbon does Sam use?

Equation: **3/8 × 16 = 6** Answer: **6 feet**

6. Max walked 3/4 of a mile. Eli walked 1/2 as far as Max. What fraction of a mile did Eli walk?

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

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

Equation: **1/6 × 1/2 = 1/12** Answer: **1/12 of an acre**

8. Tess has 12 cards and gives 2/3 of them to a friend. How many cards does Tess give away?

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