Name: _____ Date: _____

Multiplying Fractions Word Problems

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 2 of 10

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

1. Kai has 16 cards and gives 3/8 of them to a friend. How many cards does Kai give away?

Equation: _____ Answer: _____

2. A trail is 24 miles long. Omar has hiked 3/4 of the trail. How many miles has Omar hiked?

Equation: _____ Answer: _____

3. A ribbon is 8 feet long. Max uses 3/4 of it for a project. How many feet of ribbon does Max use?

Equation: _____ Answer: _____

4. Jude walked 1/2 of a mile. Rosa walked 1/3 as far as Jude. What fraction of a mile did Rosa walk?

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

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

Equation: _____ Answer: _____

7. Nora has 5/6 of a pan of corn bread left. Nora eats 3/4 of what is left. What fraction of the whole pan does Nora eat?

Equation: _____ Answer: _____

8. A garden covers 1/2 of an acre. Beans are planted in 5/6 of the garden. What fraction of an acre has beans?

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 2 of 10

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

1. Kai has 16 cards and gives 3/8 of them to a friend. How many cards does Kai give away?

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

2. A trail is 24 miles long. Omar has hiked 3/4 of the trail. How many miles has Omar hiked?

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

3. A ribbon is 8 feet long. Max uses 3/4 of it for a project. How many feet of ribbon does Max use?

Equation: **3/4 × 8 = 6** Answer: **6 feet**

4. Jude walked 1/2 of a mile. Rosa walked 1/3 as far as Jude. What fraction of a mile did Rosa walk?

Equation: **1/3 × 1/2 = 1/6** Answer: **1/6 of a mile**

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

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

6. 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**

7. Nora has 5/6 of a pan of corn bread left. Nora eats 3/4 of what is left. What fraction of the whole pan does Nora eat?

Equation: **3/4 × 5/6 = 5/8** Answer: **5/8 of the pan**

8. A garden covers 1/2 of an acre. Beans are planted in 5/6 of the garden. What fraction of an acre has beans?

Equation: **5/6 × 1/2 = 5/12** Answer: **5/12 of an acre**