Name: _____ Date: _____

Multiplying Fractions Word Problems

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 6 of 10

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

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

Equation: _____ Answer: _____

2. A garden covers 3/4 of an acre. Beans are planted in 3/4 of the garden. What fraction of an acre has beans?

Equation: _____ Answer: _____

3. Nora walked 1/2 of a mile. Jude walked 3/5 as far as Nora. What fraction of a mile did Jude walk?

Equation: _____ Answer: _____

4. A trail is 48 miles long. Eli has hiked 3/8 of the trail. How many miles has Eli hiked?

Equation: _____ Answer: _____

5. There are 12 students in a class. 3/4 of them walk to school. How many students walk to school?

Equation: _____ Answer: _____

6. Nora has 10 cards and gives 4/5 of them to a friend. How many cards does Nora give away?

Equation: _____ Answer: _____

7. A ribbon is 20 feet long. Mia uses 2/5 of it for a project. How many feet of ribbon does Mia use?

Equation: _____ Answer: _____

8. Lily has 1/6 of a pan of corn bread left. Lily eats 2/3 of what is left. What fraction of the whole pan does Lily eat?

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 6 of 10

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

1. A jug holds 5/6 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 × 5/6 = 5/12** Answer: **5/12 of a gallon**

2. A garden covers 3/4 of an acre. Beans are planted in 3/4 of the garden. What fraction of an acre has beans?

Equation: **3/4 × 3/4 = 9/16** Answer: **9/16 of an acre**

3. Nora walked 1/2 of a mile. Jude walked 3/5 as far as Nora. What fraction of a mile did Jude walk?

Equation: **3/5 × 1/2 = 3/10** Answer: **3/10 of a mile**

4. A trail is 48 miles long. Eli has hiked 3/8 of the trail. How many miles has Eli hiked?

Equation: **3/8 × 48 = 18** Answer: **18 miles**

5. There are 12 students in a class. 3/4 of them walk to school. How many students walk to school?

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

6. Nora has 10 cards and gives 4/5 of them to a friend. How many cards does Nora give away?

Equation: **4/5 × 10 = 8** Answer: **8 cards**

7. A ribbon is 20 feet long. Mia uses 2/5 of it for a project. How many feet of ribbon does Mia use?

Equation: **2/5 × 20 = 8** Answer: **8 feet**

8. Lily has 1/6 of a pan of corn bread left. Lily eats 2/3 of what is left. What fraction of the whole pan does Lily eat?

Equation: **2/3 × 1/6 = 1/9** Answer: **1/9 of the pan**