Multiplying Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 9 of 10

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

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

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

2. Tess has 15 cards and gives 3/5 of them to a friend. How many cards does Tess give away?

Equation: **3/5 × 15 = 9** Answer: **9 cards**

3. A jug holds 4/5 of a gallon of juice. Ivy pours 1/6 of the juice into cups. How much of a gallon does Ivy pour?

Equation: **1/6 × 4/5 = 2/15** Answer: **2/15 of a gallon**

4. A garden covers 3/4 of an acre. Beans are planted in 1/2 of the garden. What fraction of an acre has beans?

Equation: **1/2 × 3/4 = 3/8** Answer: **3/8 of an acre**

5. There are 30 students in a class. 5/6 of them walk to school. How many students walk to school?

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

6. A ribbon is 20 feet long. Ben uses 3/5 of it for a project. How many feet of ribbon does Ben use?

Equation: **3/5 × 20 = 12** Answer: **12 feet**

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

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

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

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