Multiplying Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 3 of 10

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

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

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

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

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

3. Tess walked 3/5 of a mile. Omar walked 1/3 as far as Tess. What fraction of a mile did Omar walk?

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

4. Mia has 5/6 of a pan of corn bread left. Mia eats 1/2 of what is left. What fraction of the whole pan does Mia eat?

Equation: **1/2 × 5/6 = 5/12** Answer: **5/12 of the pan**

5. There are 36 students in a class. 5/6 of them walk to school. How many students walk to school?

Equation: **5/6 × 36 = 30** Answer: **30 students**

6. A garden covers 1/3 of an acre. Beans are planted in 1/6 of the garden. What fraction of an acre has beans?

Equation: **1/6 × 1/3 = 1/18** Answer: **1/18 of an acre**

7. A trail is 18 miles long. Kai has hiked 5/6 of the trail. How many miles has Kai hiked?

Equation: **5/6 × 18 = 15** Answer: **15 miles**

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

Equation: **5/6 × 1/6 = 5/36** Answer: **5/36 of a gallon**