Multiplying Fractions Word Problems - ANSWER KEY

Grade 5 | Solving word problems by multiplying a fraction by a whole number or by another fraction | Version 4 of 10

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

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

Equation: **2/5 × 2/3 = 4/15** Answer: **4/15 of a mile**

2. A ribbon is 15 feet long. Omar uses 2/3 of it for a project. How many feet of ribbon does Omar use?

Equation: **2/3 × 15 = 10** Answer: **10 feet**

3. Kai has 32 cards and gives 3/8 of them to a friend. How many cards does Kai give away?

Equation: **3/8 × 32 = 12** Answer: **12 cards**

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

Equation: **1/6 × 1/4 = 1/24** Answer: **1/24 of a gallon**

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

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

7. A trail is 15 miles long. Max has hiked 2/3 of the trail. How many miles has Max hiked?

Equation: **2/3 × 15 = 10** Answer: **10 miles**

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

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