



# Multiplying and Dividing Fractions

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. A trail is  $\frac{3}{4}$  mile long. Jenna walks  $\frac{2}{3}$  of it.

How far does she walk?

- A)  $\frac{5}{7}$  mile
- B)  $\frac{1}{2}$  mile
- C)  $\frac{1}{4}$  mile
- D)  $\frac{2}{4}$  mile

2. A baker has  $3\frac{1}{2}$  cups of sugar and uses  $\frac{1}{4}$  cup per batch. How many batches can he make?

- A) 7
- B) 12
- C) 14
- D)  $3\frac{1}{4}$

3. What is  $\frac{5}{6} \div \frac{1}{3} \times \frac{2}{5}$ ?

- A)  $\frac{2}{3}$
- B) 1
- C)  $\frac{5}{9}$
- D)  $\frac{1}{3}$

4. A rectangle is  $\frac{5}{8}$  m wide and  $\frac{4}{5}$  m long. What is its area?

- A)  $\frac{9}{13}$  sq m
- B)  $\frac{20}{40}$  sq m
- C)  $\frac{1}{2}$  sq m
- D) 1 sq m

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A pipe fills  $\frac{2}{5}$  of a tank per hour. In  $\frac{5}{6}$  hour it fills \_\_\_\_\_ of the tank.

2. A rope is  $4\frac{1}{2}$  meters. Cut into  $\frac{3}{4}$ -meter pieces, you get \_\_\_\_\_ pieces.

3.  $\frac{3}{8}$  of a class of 40 students is \_\_\_\_\_ students.

4. A car uses  $\frac{7}{10}$  gallon per trip. After  $\frac{5}{7}$  of a trip it has used \_\_\_\_\_ gallon.

5.  $2\frac{2}{3} \div \frac{4}{9} = \frac{8}{3} \times \frac{9}{4} =$  \_\_\_\_\_.

**Part A: Multiple Choice**

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1. A trail is  $\frac{3}{4}$  mile long. Jenna walks  $\frac{2}{3}$  of it.  
How far does she walk?

- A)  $\frac{5}{7}$  mile
- B)  $\frac{1}{2}$  mile
- C)  $\frac{1}{4}$  mile
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- A) 7
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- C) 14
- D)  $3\frac{1}{4}$

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A pipe fills  $\frac{2}{5}$  of a tank per hour. In  $\frac{5}{6}$  hour it fills  $\frac{1}{3}$  of the tank.

2. A rope is  $4\frac{1}{2}$  meters. Cut into  $\frac{3}{4}$ -meter pieces, you get 6 pieces.

3.  $\frac{3}{8}$  of a class of 40 students is 15 students.

4. A car uses  $\frac{7}{10}$  gallon per trip. After  $\frac{5}{7}$  of a trip it has used  $\frac{1}{2}$  gallon.

5.  $2\frac{2}{3} \div \frac{4}{9} = \frac{8}{3} \times \frac{9}{4} = \underline{6}$ .