

# Lesson 3.5: Multiplying Fractions Word Problems

## Targets

1. I can multiply fractions by whole numbers given a word problem.
2. I can multiply fractions by fractions given a word problem.

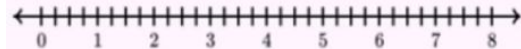
## Multiplying Fractions Word Problems: Movie Marathon

First, attempt this problem on your own. Then watch the video and copy the notes.

- *You are having a movie marathon. Each movie lasts about  $1\frac{3}{4}$  hours. If you want to watch 3 movies, how long will your movie marathon last? (You can use the number line below to help you find your answer.)*

Your attempt:

Video Notes:



## Khan Activity: Multiplying Fractions and Whole Numbers Word Problems

Complete this activity on Khan.

### **Multiplying Fractions Word Problem: Banana Oat Muffin Recipe**

First, attempt this problem on your own. Then watch the video and copy the notes.

- *A recipe for banana oat muffins calls for  $\frac{3}{4}$  cup of old fashioned oats. You are making  $\frac{1}{2}$  of the recipe. How much oats should you use?*

Your attempt:

Video Notes:

### **Multiplying Fractions Word Problem: Bike to a Friend**

First, attempt this problem on your own. Then watch the video and copy the notes.

- *You can ride your bike  $\frac{1}{5}$  of a mile per minute. If it takes you  $3\frac{1}{3}$  minutes to get to your friend's house, how many miles away does your friend live?*

Your attempt:

Video Notes:

### **Khan Activity: Multiplying Fractions by Fractions Word Problems**

Complete this activity on Khan.

### **Exit Ticket**

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
  - a. Multiplying Fractions and Whole Numbers Word Problems
  - b. Multiplying Fractions by Fractions Word Problems