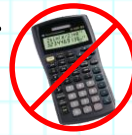


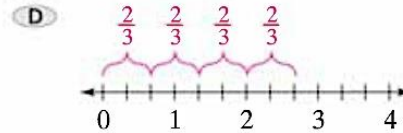
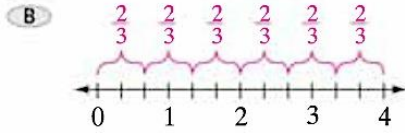
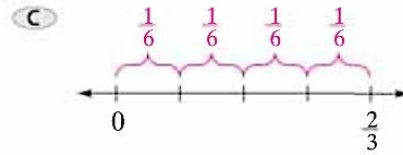
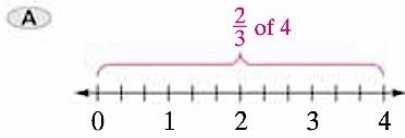
# 3.10 Learning Opportunity



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

## Problem Solving with Fractions

- 1) Which model below best represents  $4 \div \frac{2}{3}$ ? (hint: you are looking for the model that shows how many two-thirds are in four wholes.)



- 2) Lucca bought two bags of apples. The larger bag weighed  $3\frac{3}{4}$  lb. The smaller bag weighed  $\frac{5}{8}$  lb. less than the larger bag. Find the weight of the smaller bag.



- 3) A map shows three hiking trails of lengths  $2\frac{1}{2}$  mi,  $1\frac{4}{5}$  mi, and  $3\frac{3}{10}$  mi. You want to hike the entire length of each trail. First, determine an estimate of the total distance. Then, find the total distance exactly.

- 4) Caitlin walks to school in  $10\frac{4}{5}$  minutes. Jane lives farther from the school and walks to school in  $20\frac{1}{4}$  minutes. How many more minutes does it take Jane to get to school?

- 5) A store is having a  $\frac{1}{3}$  off sale. Jacob wants to buy a jacket that originally cost \$57. What will be the sale price of the jacket?

- 6) An object on the moon weighs  $\frac{1}{6}$  of its weight on Earth. Gavin's bowling ball weighs  $11\frac{4}{5}$  pounds on Earth. What would it weigh on the moon?



- 7) A lightning bug glows once every  $1\frac{1}{2}$  seconds. How many times does it glow in one minute?



- 8) Nicole just joined the cross-country team and can run at a rate of  $\frac{2}{13}$  mile each minute. How long will it take her to run a  $12\frac{2}{3}$  mile race?