Lesson 11: Ratios of Fractions and Their Unit Rates

Problem Set

1. Determine the quotient: .
2. One lap around a dirt track is mile. It takes Bryce hour to ride one lap. What is Bryce’s unit rate, in miles, around the track?
3. Mr. Gengel wants to make a shelf with boards that are feet long. If he has an -foot board, how many pieces can he cut from the big board?
4. The local bakery uses cups of flour in each batch of cookies. The bakery used cups of flour this morning.
   1. How many batches of cookies did the bakery make?
   2. If there are dozen cookies in each batch, how many cookies did the bakery make?
5. Jason eats ounces of candy in days.
   1. How many pounds does he eat per day? (Recall: ounces pound)
   2. How long will it take Jason to eat pound of candy?