# Lesson 7 Problem-Solving Practice

## *Divide Fractions*

**SHOPPING** For Exercises 1–3, use the table. The table represents the distances from Nashita's vacation house to the various shops in town.

| Distance in Miles | |
|---|---|
| Sam's Surfboards | $\frac{3}{4}$ |
| Mick's Riverside Tours | $\frac{3}{8}$ |
| Pete's Parasailing | $\frac{3}{5}$ |
| Beachside Clothiers | $\frac{2}{7}$ |

1. Nashita walks to Sam's Surfboards. As she walks, she stops every $\frac{1}{4}$ mile to take a sip from her water bottle. How many times does she stop?

2. On Tuesday, Nashita walks to Pete's Parasailing. She feels a breeze every $\frac{1}{10}$ of a mile. How many times does she feel a breeze?

3. Nashita walked to Mick's Riverside Tours. She noticed that the sun went behind a cloud about every $\frac{1}{8}$ of a mile. During her walk, how many times did the sun go behind the clouds?

4. **ICE CREAM** Brenda ate $\frac{1}{2}$ pint of mint chocolate chip ice cream. Mark ate $\frac{3}{4}$ pint of malt ice cream. How many times more ice cream did Mark eat?

5. In a $\frac{3}{4}$-mile relay race, each runner runs $\frac{1}{16}$ mile. How many runners are in the race?

6. **INTERNET** Three fourths of college students use the Internet more than the library. Nine hundredths use the library more. How many times more students use the Internet?