Mixed Numbers

Use What You've Learned

Solve each problem and justify your answer.

1. The twenty-three students in Ms. Robert's class were given a pizza party for winning first place in the Math Olympics. Each student will eat three pieces. If the pizzas are cut in eight pieces, how many pizzas should be ordered?

2. To raise money to fight cancer, Emma agreed to participate in a walk-a-thon. She signed up 20 people who would pay her \$1 for each $\frac{1}{4}$ mile she walked in one hour. She tried her hardest and walked $3\frac{3}{4}$ miles in one hour. How much did she earn for the American Cancer Society?

3. To prepare for a $5\frac{1}{2}$ mile race, the race committee will set up water stations every $\frac{1}{4}$ mile. Three volunteers are needed at every station. How many volunteers are needed to cover all the stations?

4. Emily had $7\frac{2}{3}$ six-packs of soda to use at her graduation party. From past experience, she realized that each of her friends liked to have two cans of soda. How many friends would be able to have two sodas at her graduation party?