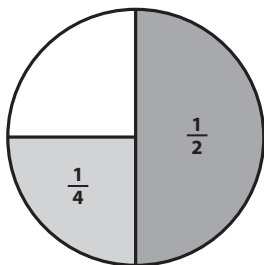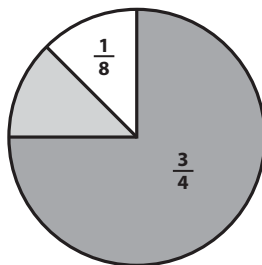NAME | DATE

📖 In the Library page 1 of 2

1 The librarian at our school asked the fourth and fifth graders to vote on their favorite kind of book. The circle graphs below show the results. Use the information to answer the questions below.
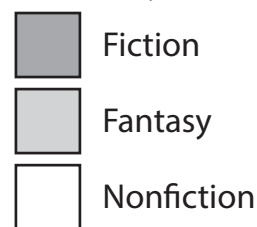
Fourth Grade Favorites   **Fifth Grade Favorites**   **Key**

Fiction

Fantasy

Nonfiction

a What fraction of the fourth graders said they liked nonfiction books best? How do you know?

b If there are 96 fourth graders, how many like fantasy books best? Show your work.

c What fraction of the fifth graders said they like fantasy books best? How do you know?

d If there are 112 fifth graders, how many like nonfiction books best? Show your work.

e What fraction of the fifth graders said they liked fiction books best? How do you know?

(continued on next page)

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NAME | DATE

In the Library page 2 of 2

2 Madeline walked $1\frac{1}{2}$ miles to her Aunt Jenny's house yesterday morning. After visiting with Aunt Jenny, Madeline walked $\frac{3}{4}$ of a mile to the park, where her mother picked her up. How many miles in all did she walk yesterday? Show all your work.

3 Sara and her mother bought some vegetables at the farmer's market yesterday. They bought $2\frac{3}{4}$ pounds of cabbage, $\frac{1}{2}$ a pound of onions, and $1\frac{3}{8}$ pounds of carrots. How many pounds of vegetables did they buy in all? Show all your work.

4 **CHALLENGE** Madison went to the mall with her big sister last weekend. Their mom dropped them off at 1:00 and said, "I'll pick you up at 2:30." The girls spent $\frac{5}{6}$ of an hour at the toy store, $\frac{2}{3}$ of an hour at the pet store, and $\frac{1}{2}$ an hour at the food court. When they got back to the bench to meet their mom, she was already there. She said, "Where have you been? I've been waiting _____ of an hour for you!" How long had their mom been waiting for them?