

LESSON

Number Theory and Fractions

5

Problem Solving: Equivalent Fractions

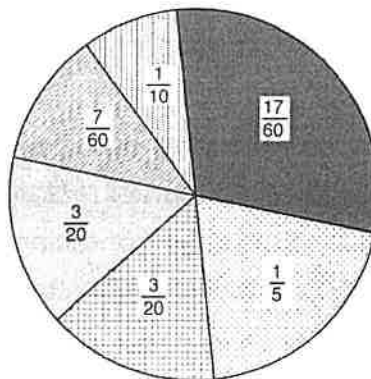
About 60 million Americans exercise 100 times or more each year. Their top activities and the fraction of those 60 million people who did them are shown on the circle graph. Use the graph to answer the questions.

1. Which two activities did the same number of people use to keep in shape?

2. Which activity had the most participants? Write an equivalent fraction for that activity's participants.

3. Which activity had the fewest participants? Write two equivalent fractions for that activity's participants.

Exercise in the U.S.



Circle the letter of the correct answer.

4. Which activity did $\frac{3}{15}$ of the people use to exercise?

- A free weights
- B treadmill
- C fitness walking
- D stationary bike

5. Which activity did $\frac{35}{300}$ of the people use to stay healthy?

- F running/jogging
- G resistance machines
- H free weights
- J treadmill

6. An average-sized person can burn about $6\frac{1}{2}$ calories a minute while riding a bike. Which of the following is equivalent to that amount?

- A $1\frac{2}{2}$
- B $5\frac{6}{2}$
- C $6\frac{2}{4}$
- D $6\frac{2}{6}$

7. An average-sized person can burn about 11.25 calories a minute while jogging. Which of the following is not equivalent to that amount?

- F $11\frac{1}{4}$
- G $11\frac{1}{2}$
- H $11\frac{2}{8}$
- J $11\frac{3}{12}$