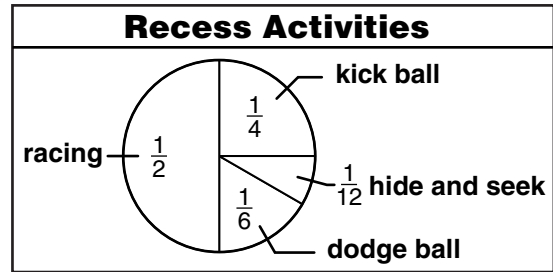# Problem-Solving Application:
Use Circle Graphs

Mrs. Lucille gave 60 students the choice of four different activities during recess time. The circle graph shows what fractions of the students chose to play racing, dodge ball, kick ball, or hide and seek. Use the circle graph to solve each problem.

Recess Activities

How many more students chose kick ball than dodge ball?

Find out how many students chose kick ball and how many students chose dodge ball.

$$\text{kick ball} = \frac{1}{4} \text{ of } 60 = 15 \text{ students}$$

$$\text{dodge ball} = \frac{1}{6} \text{ of } 60 = 10 \text{ students}$$

Find the difference.
$15 - 10 = 5$

Five more students chose kick ball than dodge ball.

1. How many students chose either racing or hide and seek?

_____

Show your work.

2. Suppose that there are 96 students instead of 60, but the graph is the same. How many students chose dodge ball?

_____

Use with text pages 534–536.