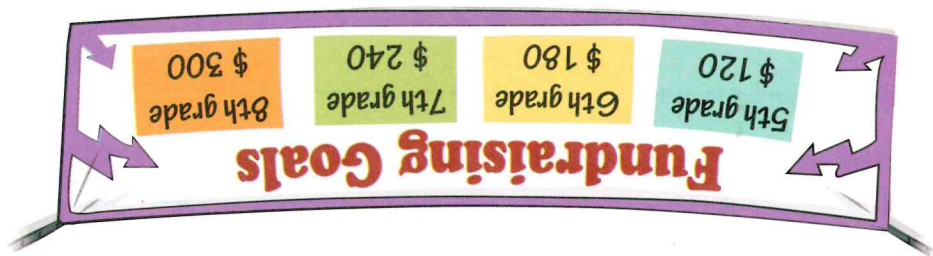




## Applications

1. Another middle school conducted the same type of fundraiser as the middle school in the Problems. The banner below shows the goals for each grade.



- a. Write three statements that the principal could make when comparing the goals each grade has set.
- b. The teachers set a goal of \$225. Write two statements the principal could use to compare this goal to the eighth graders' goal.

2. Bryce and Rachel are collecting canned goods for the local food bank. Bryce's goal is to collect 32 items. Rachel's goal is to collect 24 items. If Rachel and Bryce each meet their goal, what fraction of Bryce's goal does Rachel collect?

3. A sixth-grade class has 12 boys and 24 girls.
  - a. Consider this statement: *For every 2 boys, there are 4 girls.* Do you agree with the statement? Explain.
  - b. Write two more statements comparing the number of boys in the class to the number of girls.
4. In a different sixth-grade class, the ratio of boys to girls is 3 : 2. How many boys and how many girls could there be in this class? Is there more than one possible answer? Explain.
5. What fraction strips could you make if you started with a fourth strip?