

## Number and Operations

### Solve.

- 1 The baseball team uses the school vans to get to a game. There are 25 players. Each van can hold 7 players. Each van is filled before the next one is used. What is the greatest number of students that will be in the van that is not full? \_\_\_\_\_
- 2 Mr. James fills in each row of his classroom with students before starting another row. There are 27 students and 6 rows of seats. How many students will be in the last row? \_\_\_\_\_

### For 3–5, use this information.

A tour bus can carry 52 passengers. The minimum number of passengers is 40 per bus. A group of 320 people is going on a trip and wants to rent some buses.

- 3 How many buses will the group need to rent? \_\_\_\_\_
- 4 How many people will be on full buses? \_\_\_\_\_
- 5 Assuming the buses are full, how many people will not be able to go on the trip if the company keeps to its plan? \_\_\_\_\_

## Problem Solving

### Use a strategy and solve.

- 6 Germaine has a CD cabinet that holds 50 CDs on 3 shelves. He wants to arrange his 50 CDs so that the top shelf has twice as many as the middle shelf and the bottom shelf has no more than 10 CDs. How can he arrange the CDs on the 3 shelves? Make a list of all the ways.  
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- 7 Ms. Gomez marks out a grid on her classroom floor. Roberto stands at one intersection on the grid. He walks 6 steps forward, turns right, walks 3 steps, turns left, and walks 5 steps. If he walks only on the grid lines, what is the least number of steps he must take to get back to where he began? \_\_\_\_\_