## **Problem-Solving Investigation: Look for a Pattern**

## EXAMPLE

## MAIN IDEA

 Solve problems by looking for a pattern. Solve. Use the *look for a pattern* strategy.

**BAND** One marching band formation calls for 12 band members in the front row. Each row in the formation has 3 more members than the row in front of it. Make a list of the members in each of the first 8 rows.

UNDERSTAND	You know there are		band members i		ers ir
	the front row, and each row has				more

members than the row in front of it. You need to find how many band members are in each of

**PLAN** Start with 12 members in the front row and

use pattern of adding 3 for each row.

The number of band members in the first 8 rows is

CHECK Check the pattern of adding 3 by starting with the eighth row and subtracting 3 for each previous row.

Check Your Progress WEIGHTS Josiah lifts weights every day. If he lifts 20 pounds on the bench press on the first day and adds 2 pounds each day, how many days will it take him to lift 50 pounds?

## **HOMEWORK ASSIGNMENT**

Page(s): Exercises:

