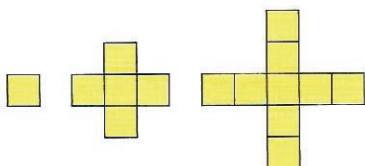


## LESSON

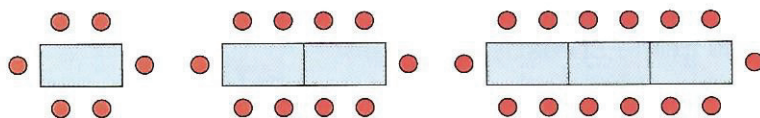
# Skills Bank

1

1. Sketch the next two shapes in the pattern.  
Make a t-chart to record the number of squares in each shape.



2. Diane's class is setting up tables for the school barbecue.  
6 people can sit around 1 rectangular table.  
When 2 tables are pushed together, 10 people can be seated.  
14 people can sit around 3 tables.



- a) How many people can sit around 4 tables?  
5 tables? Show your work.
  - b) How many people can sit around 15 tables?
3. a) Which row of the chart has a repeating pattern?  
Which column of the chart has a repeating pattern?
  - b) Write pattern rules for the patterns in the third column, the fifth column, and the second row.
  - c) Describe the patterns in the first row, the third row, and the fifth row. Write the next three numbers for the patterns in the first row and the third row.
  - d) Describe how the numbers in the second column are related to the numbers in the first column.

1	2	7	8	13	14
2	4	6	8	10	12
3	6	5	8	7	10
4	8	4	8	4	8
5	10	3	8	1	6

4. Serge is ordering hats and gloves for the ski team.
  - a) Make a table to show the number of skiers, the number of gloves for each skier, and the number of hats and gloves for each skier.
  - b) Describe the patterns you see in the table.
  - c) What is the number of hats and gloves for 12 skiers?