Chapter 1 Task Page 1

Shape Patterns and Number Patterns

Kate created this shape pattern using red and white tiles.

? What number patterns can you see in Kate’s shape pattern?

A. Make shape 4. Draw it on grid paper.

B. Describe Kate’s shape pattern using words.
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C. Complete a t-chart to show the number of tiles in each shape.

<table>
<thead>
<tr>
<th>Shape</th>
<th>Number of tiles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

D. Extend the t-chart for shape 5. Explain how you completed the chart.

E. Describe other patterns in Kate’s shape pattern.

Task Checklist
☐ Did you use a t-chart to show each pattern?
☐ Did you describe changes from one shape to the next?