

## Lesson 4 Reteach

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

Sometimes it is helpful to look for a pattern to help you solve a problem.

Keanu is arranging tulips in his garden. He plants 12 tulips in the first row, 15 tulips in the second row, and 18 tulips in the third row. If the pattern continues, how many tulips will Keanu put in the fifth row?

<p>Step 1 <b>Understand</b></p>	<p>Be sure you understand the problem.</p> <p><b>What facts do you know?</b> There are 12 tulips in the first row, 15 tulips in the second row, and 18 tulips in the third row.</p> <p><b>What do you need to find?</b> How many tulips will be in the <b>fifth</b> row?</p>										
<p>Step 2 <b>Plan</b></p>	<p>Make a plan.</p> <p>Look at the numbers you are given to see if there is a pattern.</p>										
<p>Step 3 <b>Solve</b></p>	<p>Carry out your plan.</p> <p>The sequence of the pattern is: 12, 15, 18.</p> <p>The rule for the pattern is: Add 3.</p> <table border="1" data-bbox="761 1314 1221 1419"> <tbody> <tr> <td>1<sup>st</sup></td> <td>2<sup>nd</sup></td> <td>3<sup>rd</sup></td> <td>4<sup>th</sup></td> <td>5<sup>th</sup></td> </tr> <tr> <td>12</td> <td>15</td> <td>18</td> <td>21</td> <td>24</td> </tr> </tbody> </table> <p>Based on the rule, the next two terms in the sequence are 21 (fourth row) and 24 (fifth row).</p> <p>So, Keanu will plant 24 tulips in the fifth row.</p>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	12	15	18	21	24
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<p>Step 4 <b>Check</b></p>	<p>Make sure your answer is reasonable.</p> <p>You can use addition to check your answer. <math>18 + 3 + 3 = 24</math> So, the answer is reasonable.</p>										

## Lesson 4 Reteach

### *Problem Solving (continued)*

**Look for a pattern to solve each problem.**

1. Joaquin spent 10 minutes reading on Monday. He spent 20 minutes reading on Tuesday and 30 minutes reading on Wednesday. If the pattern continues, how many minutes will he read on Sunday?

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2. Glasses are displayed on a store shelf. The first glass is red, the second is blue, the third is red, and the fourth is blue. If this pattern continues, what will be the color of the twelfth glass?

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3. Tate trains for a bike race every day. The first day he rides for 3 hours, the second day he rides for 2 hours, and the third day he rides for 1 hour. He repeats this training schedule over and over. How many hours does Tate ride on his eighth day of training?

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4. In the basketball tournament, the Tigers won their first game by 18 points, their second game by 14 points, and their third game by 10 points. If the pattern continues, by how many points will they win their fifth game?

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5. Jerry opened a new restaurant that serves only breakfast. The first day he used 3 dozen eggs. The second day he used 6 dozen eggs, and the third day he used 9 dozen eggs. If he continues this pattern, how many eggs will Jerry use on the fifth day?

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6. The pet store had a sale on goldfish. When the store opened at 9:00 A.M., they had 200 goldfish. At 11:00 A.M., there were 150 goldfish left, and at 1:00 P.M., there were 100 goldfish left. If this pattern continues, at what time will the store run out of goldfish?

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