

## Algebra

**Complete the Find a Rule card. Then describe the rule you used.**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Front</th> <th style="width: 50%;">Back</th> </tr> </thead> <tbody> <tr><td>1, 3</td><td>4</td></tr> <tr><td>7, 2</td><td>9</td></tr> <tr><td>5, 0</td><td>5</td></tr> <tr><td>6, 9</td><td>15</td></tr> <tr><td>4, 7</td><td></td></tr> <tr><td>9, 3</td><td></td></tr> <tr><td>0, 8</td><td></td></tr> </tbody> </table> <p>_____</p>	Front	Back	1, 3	4	7, 2	9	5, 0	5	6, 9	15	4, 7		9, 3		0, 8		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Front</th> <th style="width: 50%;">Back</th> </tr> </thead> <tbody> <tr><td>9, 0</td><td>0</td></tr> <tr><td>3, 4</td><td>12</td></tr> <tr><td>8, 1</td><td>8</td></tr> <tr><td>1, 2</td><td>2</td></tr> <tr><td>7, 3</td><td></td></tr> <tr><td>4, 5</td><td></td></tr> <tr><td>2, 6</td><td></td></tr> </tbody> </table> <p>_____</p>	Front	Back	9, 0	0	3, 4	12	8, 1	8	1, 2	2	7, 3		4, 5		2, 6		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Front</th> <th style="width: 50%;">Back</th> </tr> </thead> <tbody> <tr><td>6, 0</td><td>6</td></tr> <tr><td>8, 2</td><td>6</td></tr> <tr><td>12, 8</td><td>4</td></tr> <tr><td>9, 9</td><td>0</td></tr> <tr><td>10, 7</td><td></td></tr> <tr><td>16, 4</td><td></td></tr> <tr><td>8, 8</td><td></td></tr> </tbody> </table> <p>_____</p>	Front	Back	6, 0	6	8, 2	6	12, 8	4	9, 9	0	10, 7		16, 4		8, 8		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Front</th> <th style="width: 50%;">Back</th> </tr> </thead> <tbody> <tr><td>10, 4</td><td>7</td></tr> <tr><td>5, 5</td><td>5</td></tr> <tr><td>3, 7</td><td>5</td></tr> <tr><td>6, 2</td><td>4</td></tr> <tr><td>9, 1</td><td></td></tr> <tr><td>3, 5</td><td></td></tr> <tr><td>7, 5</td><td></td></tr> </tbody> </table> <p>_____</p>	Front	Back	10, 4	7	5, 5	5	3, 7	5	6, 2	4	9, 1		3, 5		7, 5	
Front	Back																																																																		
1, 3	4																																																																		
7, 2	9																																																																		
5, 0	5																																																																		
6, 9	15																																																																		
4, 7																																																																			
9, 3																																																																			
0, 8																																																																			
Front	Back																																																																		
9, 0	0																																																																		
3, 4	12																																																																		
8, 1	8																																																																		
1, 2	2																																																																		
7, 3																																																																			
4, 5																																																																			
2, 6																																																																			
Front	Back																																																																		
6, 0	6																																																																		
8, 2	6																																																																		
12, 8	4																																																																		
9, 9	0																																																																		
10, 7																																																																			
16, 4																																																																			
8, 8																																																																			
Front	Back																																																																		
10, 4	7																																																																		
5, 5	5																																																																		
3, 7	5																																																																		
6, 2	4																																																																		
9, 1																																																																			
3, 5																																																																			
7, 5																																																																			

## Problem Solving

**Use a strategy and solve.**

- 5** At basketball practice, Leeann takes 5 shots in her first practice round, then 8 in her next, and 11 in her next. If the pattern continues, how many shots will she have taken in all by the end of 6 rounds? \_\_\_\_\_
- 
- 6** Darnel has saved \$100 for school supplies. During the first week of school, he spends \$5. During the second week, he spends \$7. During the third week, he spends \$9. If the pattern continues, after how many weeks will Darnel have less than \$35? \_\_\_\_\_