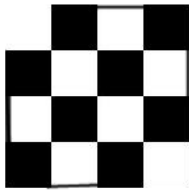
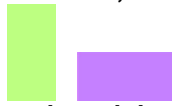


**College Bound Math Problems #11**  
week of January 12, 2015

**Mentors**

Please see the request  
to you on the Solution sheet.

<b>January 2015</b>				
<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>12</b> has 6 divisors. What are they?	<b>13</b>	<p>The <b>14</b> black and white squares in this figure</p>  <p>can NOT be covered with 7 blocks like these,</p>  <p>even though each is 1-by-2. Why not?</p>	<p><b>15</b> is the area of a rectangle that has the same perimeter as the checkerboard for the "14" problem. What must be the dimensions of that rectangle?</p>	<b>16</b>