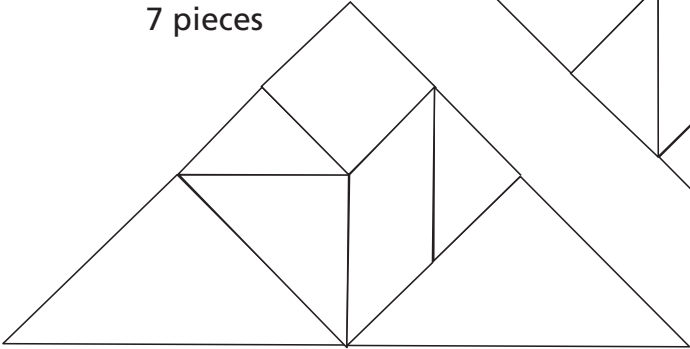
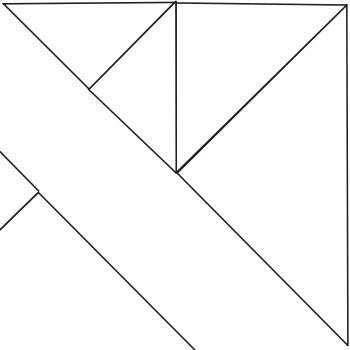
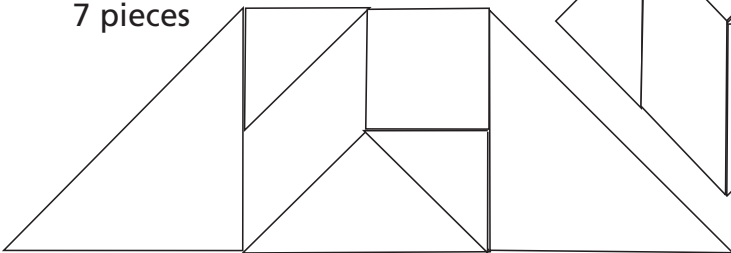
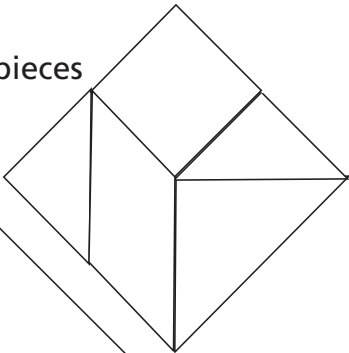
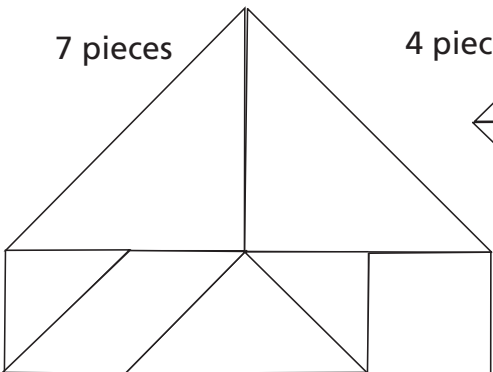
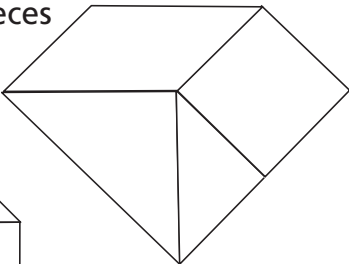
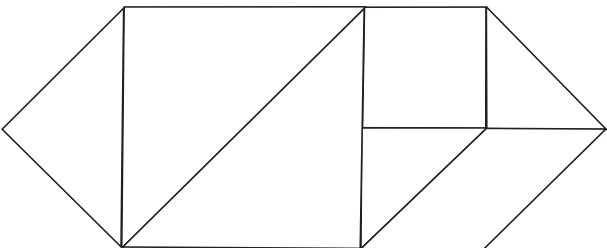
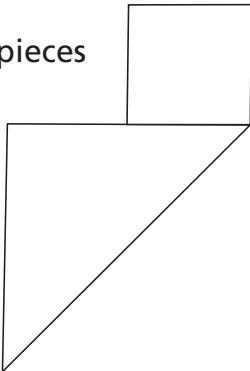


Tangram discovery

Using your Mathomat template, or tangram shape cutouts, make copies of the designs shown below. Then find how many designs with the same number of sides you can find using different numbers of tans for each. Complete a chart recording how many of each type you have found.

<p>Three-sided</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>7 pieces</p>  </div> <div style="text-align: center;"> <p>4 pieces</p>  </div> </div>	<table border="1"> <thead> <tr> <th>2 pieces</th> <th>3 pieces</th> <th>4 pieces</th> <th>5 pieces</th> <th>6 pieces</th> <th>7 pieces</th> </tr> </thead> <tbody> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </tbody> </table>	2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces						
2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces								
<p>Four-sided</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>7 pieces</p>  </div> <div style="text-align: center;"> <p>5 pieces</p>  </div> </div>	<table border="1"> <thead> <tr> <th>2 pieces</th> <th>3 pieces</th> <th>4 pieces</th> <th>5 pieces</th> <th>6 pieces</th> <th>7 pieces</th> </tr> </thead> <tbody> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </tbody> </table>	2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces						
2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces								
<p>Five-sided</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>7 pieces</p>  </div> <div style="text-align: center;"> <p>4 pieces</p>  </div> </div>	<table border="1"> <thead> <tr> <th>2 pieces</th> <th>3 pieces</th> <th>4 pieces</th> <th>5 pieces</th> <th>6 pieces</th> <th>7 pieces</th> </tr> </thead> <tbody> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </tbody> </table>	2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces						
2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces								
<p>Six-sided</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>7 pieces</p>  </div> <div style="text-align: center;"> <p>2 pieces</p>  </div> </div>	<table border="1"> <thead> <tr> <th>2 pieces</th> <th>3 pieces</th> <th>4 pieces</th> <th>5 pieces</th> <th>6 pieces</th> <th>7 pieces</th> </tr> </thead> <tbody> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </tbody> </table>	2 pieces	3 pieces	4 pieces	5 pieces	6 pieces	7 pieces						
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