September 16, 2012



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1 day old caterpillar	
2 day old caterpillar	\bigcirc
3 day old caterpillar	
Build a 4 and 5 day old caterpillar	









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Common Core Math Practice Standards
MP7 Look for and make use of structure.
3. If you made a train and you used 8 green triangles, how many blue rhombi would you need?
2 rhombi for each triangle double the number of triangles













1. There are 4 separate large boxes, and inside each large box there are 3 separate small boxes, and inside each of these small boxes, there are 2 separate smaller boxes. How many boxes, counting all sizes, are there altogether?

2. When asked how many gold coins he had, the collector said: Math If I arrange them in stacks of five, none are left over Olympiad If I arrange them in stacks of six, none are left over. If I arrange them in stacks of seven, one is left over. What is the least number of coins he could have?

problems (grades 4-8)

3. Alice and Betty run a 50-meter race, and Alice wins by 10 meters. They then run a 60-meter race, and each girl runs at the same speed she ran in the first race. By how many meters will Alice win?

4. The tower at the right has no gaps. Suppose it is painted red on all exterior sides, including the bottom, and then cut into cubes along the indicated lines. How many cubes will each have red paint on just 3 faces?



















