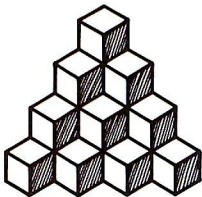# *** Test of Genius ***

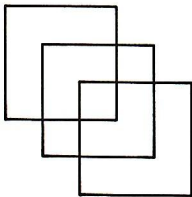1. Identical cubes are stacked in the corner of a room as shown. How many cubes are there altogether?

2. Make this equation correct by changing the position of only one digit.

$$101 - 102 = 1$$

3. Ms. Smucker went to a store, spent half of her money and then $10 more. She went to a second store, spent half of her remaining money and then $10 more. But she then had no money left. How much money did she have to begin with?

4. If 8 widgets equal 4 curlicues and 2 curlicues equal 3 goofups, then 16 widgets equal how many goofups?

5. Draw the figure below without lifting your pencil from the page or tracing over a line previously drawn.

6. Steven has 9 gold coins that are identical in appearance. However, one coin is counterfeit and weighs slightly less than the others. Using a balance scale, how can he find the counterfeit coin in just two weighings?

7. In the following addition problem, the letters A, B, and C stand for three different digits. What digit should replace each letter?

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  A B C
+ A C B
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  C B A
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8. The teacher noticed there were fewer than 100 students on the playground. When she counted them by 2s, there was 1 student left over. In fact, when she counted them by 3s, 4s, 5s, or 6s, there was always 1 student left over. How many students were on the playground?

9. In the Hope family there are seven sisters, and each sister has one brother. Including Mr. and Mrs. Hope, how many are in the family?

SCORING KEY

8 or 9 — *Superstar Genius*
6 or 7 — *Star Genius*
4 or 5 — *Genius*
3 or less — *Genius of the Future*