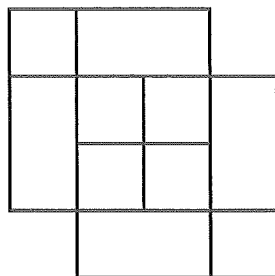


# Test of Genius

1. How many squares are in the figure at right?

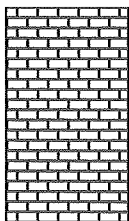


2. Twelve pennies are arranged in a row on a table. Every other coin is replaced with a nickel. Then every third coin is replaced with a dime. Finally every fourth coin is replaced with a quarter. What is the total value of the coins on the table?

3. If eggs are \$2.00 a dozen and cost \$1.00 per pound, how much does an egg weigh?

4. There are 4 black, 4 red, and 4 white marbles in a box. How many marbles do you have to take out (without looking) to be sure you have at least two marbles of the same color?

5. If it takes 2 bricklayers an hour and a half to lay a total of 90 bricks, how many bricklayers would it take to lay 210 bricks in an hour?



6. In the kingdom of Up, royal license plates have 4 letters. Each letter is either a U or a P, but there can never be two P's next to each other. How many different license plates are possible?

7. If it were one hour later, it would be half as long to midnight as it is now. If it were two hours earlier, it would be twice as long to midnight as it is now. What time is it?

8. The sum of the ages of three children is 32. The age of the oldest is twice the age of the youngest. The ages of the two older children differ by three years. What are the ages of the three children?

9. Write a number in each blank to make the following statement true:  
*In this sentence, the number of occurrences of 1 is \_\_, of 2 is \_\_, of 3 is \_\_, of 4 is \_\_, and of 5 is \_\_.*

10. A man leaves home in a big hurry. He makes three left turns. Then he returns home and finds himself face-to-face with two masked men. Who are the masked men?