

Name:	School:
110011101	80110011

8-6-24 Alpha Contest	
Sample Test 2	
Correct answers are worth 1 point. Incorrect and blank answers are worth 0 points. You are given 30 minutes to complete the test and no calculators are allowed.	
1 Aarush buys 12 cookies at the grocery story. He gives 5 cookies to Aaron, 3 cookies to Adam, and 2 cookies to Aurora. How many cookies does he have left?	
2 What is 25% of 20% of 80?	
3 There are 3 greens balls and 4 red balls in a bag. If a ball is randomly chosen from the bag, what is the probability that the ball is green?	
4 How many arrangements of the digits 2007 are four digit numbers? For instance, 7200 is a valid arrangement.	
5 Find the number of two-digit positive integers whose digits sum to 6?	
6 A sequence begins with 2. To get the next element in the sequence, you add 3 to the previous element. So the sequence follows 2, 5, 8, What is the fourteenth element in the sequence?	