# Lecture Summaries

## l2

\* \*\*Question 46:\*\* Calculates the present population of a town with successive percentage increases, resulting in 177,366.  
\* \*\*Question 47:\*\* Identifies the population of India as more than 1 billion.  
\* \*\*Question 48:\*\* Solves a logical reasoning problem involving sets, concluding that some green things are white.  
\* \*\*Question 49:\*\* Determines the missing number in a numerical series, identifying it as 9.  
\* \*\*Question 50:\*\* Solves a word problem involving averages, finding the total number of students after new students join is 240.  
\* \*\*Question 51:\*\* Solves a word problem about arranging children in columns, calculating 20 columns can be formed.  
\* \*\*Question 52:\*\* Determines which numbers are divisible by 3, concluding only 5967013 is divisible by 3.  
\* \*\*Question 53:\*\* Determines the number of ways to place 6 identical balls into 9 squares with at least one ball per row, the answer is 81.  
\* \*\*Question 57:\*\* Calculates conditional probability: Given one daughter, the probability the other child is also a daughter is 1/3.