Step 1: **Given the population mean is 1026**

**Given the sample mean is 1100**

**Given the standard deviation of the population = 209**

**We calculate the z score by using the formula**  
 z = sample mean – population mean/ standard deviation

Step 2: **Put the mean in the z-score equation**. We get  
 z = 1100 – 1026/209

Step 3: **Calculate the answer using a calculator**:  
(1100 – 1026) / 209 = 0.354.

Step 4: Calculate the z-value in the [z-table](http://www.statisticshowto.com/tables/z-table/) . A z-score of p(z<0.354) = 0.6368 or 63.68%.

So 63.68% scored less than him.