

Question #18936

65 percent of homes in Canada were found to have computers. In a sample of 8 homes, what is the probability that 5 have computers?

Answer:

$$P_8(5) = C_8^5 \times p^5 \times q^3 = \frac{8!}{5!3!} \times 0,65^5 \times 0,35^3 = 0,27858577 \text{ (27,86\%)}$$

Probability = 27,86%