

Answer on Question #55651 – Math – Algebra

A separate survey suggests that introducing water coolers to the offices is expected to increase the number of people drinking water, and in total 57 said that they would drink water if a water cooler was available.

Based on this information, calculate the percentage increase in the likely number of people drinking water when a water cooler is introduced, giving your answer to the nearest whole number.

Solution

If before introducing water cooler $d\%$ of people drink water and in total 57% said that they would drink water if a water cooler was available, then the percentage increase is given by

$$i = \frac{57 - d}{d} * 100\%$$