

## Question#75387 – Chemistry – General chemistry

**Question:** Calculate the mass percent of a sucrose solution that is made by mixing 5.36 grams of sucrose into water until the solution has a mass of 26.3 grams. Give your answer as a whole number.

**Solution:**

The general formula for mass percent:

$$\% m/m = \frac{m(\text{solute})}{m(\text{solution})} \times 100\%$$

The solute is sucrose.

$$\% m/m = \frac{m(\text{sucrose})}{m(\text{solution})} \times 100\% = \frac{5.36 \text{ g}}{26.3 \text{ g}} \times 100\% = 20.4\%$$

Answer has to be given as whole number: 20.4% → 20%.

**Answer:** 20% of sucrose.

Answer provided by AssignmentExpert.com