

### Answer on Question #81154, Chemistry / General Chemistry

If 20ml of 0.2M of  $\text{H}_2\text{SO}_4$  is mixed with 16ml of NaOH, what is the concentration of NaOH?

**Solution:**

$$V_1C_1 = V_2C_2$$

$$C_2 = \frac{V_1C_1}{V_2}$$

$$C_2 = \frac{20\text{ml} \times 0.2\text{ M}}{16.\text{ml}} = 0.25\text{ M}$$

**Answer: 0.25 M NaOH**