

The number of moles of NaOH that are in 538. mL of a 8.7 molar solution is what?

Solution:

n - Number of moles

C_M - molar concentration

V - Volume of solution

$$n = C_M \times V$$

$$n = 0.538 \times 8.7 = 4.68 \text{ (moles)}$$

Answer: 4.68 moles