## Answer on Question \#50174, Chemistry, Other

Task:
How many molecules does 36.0 grams of water represent?
Answer:

$$
\begin{aligned}
& v=\frac{m}{M} \\
& M\left(\mathrm{H}_{2} \mathrm{O}\right)=18 \mathrm{~g} / \mathrm{mol} \\
& v\left(\mathrm{H}_{2} \mathrm{O}\right)=\frac{36}{18}=2 \mathrm{~mol}
\end{aligned}
$$

