

Mole Calculations

Chemistry

The four routes into and out of moles, in one place.

The core relationships.

From	Formula
Mass	$n = m \div M$
Solution	$n = c \times V$ (V in dm ³)
Gas at RTP	$n = V \div 24$ (V in dm ³)
Particles	$n = N \div 6.022 \times 10^{23}$
Ideal gas	$n = PV \div RT$

The units decide the formula. If the question gives cm³, divide by 1000 before doing anything else.