UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

الإمارات العربية المتحدة
وزارة التربية والتعليم

Section 4: Moles of Compounds -

Objective 1 - Convert between moles of a compound to mass.

What is the mass of 0.5 mol of H_2SO_4?

2- What is the mass, in grams, of potassium in 12.5 g of $K_2Cr_2O_7$ (molar mass = 294.40 g/mol)?

Challenge

What is the mass, in grams, of potassium in 12.5 g of $K_2Cr_2O_7$ (molar mass = 294.40 g/mol)?

2.50 Kg Fe_2O_3

Objective 2 : Convert between mass of a compound to mole

How many moles of copper are present in 148.2 g Ca(OH)2?

Determine the number of moles present in each compound:

22.6 g AgNO3

35.0 g of hydrochloric acid **(Challenge)**