

National 5 Maths
SQA 2023 Paper 2
Question 2

The mass of a helium atom is 6.64×10^{-24} grams.

A flask contains 300 grams of helium.

Calculate the number of helium atoms in this flask.

Give your answer in scientific notation, correct to 3 significant figures.

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Answer:

$$4.52 \times 10^{25}$$