

1 What is the approximate volume of a smart phone with dimensions $6\text{ cm} \times 12\text{ cm} \times 0.5\text{ cm}$?

A $4 \times 10^{22} \text{ pm}^3$

B $4 \times 10^{-1} \text{ dm}^3$

C $4 \times 10^{-11} \text{ }\mu\text{m}^3$

D $4 \times 10^{-23} \text{ Mm}^3$

2 The mass, length and diameter of a cylinder are each measured with a percentage uncertainty of