

Prefixes - 1

Friday, 29 January, 2021 21:10

A right circular cylinder with a radius of (2.3 cm) and a height of (1.4 m). Determine its volume in m^3 .

Changing units - 1

Friday, 29 January, 2021 21:32

A cube with an edge of 1.5 ft . Determine its volume in m^3 . (1 m is equivalent to 3.281 ft).

Changing units - 2

Friday, 29 January, 2021 21:12

A car is traveling at a speed of 72 km/h. What is the corresponding speed in units of (m/s)?

Units and dimensions - 1

Friday, 29 January, 2021 21:33

During a short interval of time the speed (v) in (m/s) of an automobile is given by $v = at^2 + bt^3$, where the time t is in seconds. What are the units and the dimensions of a and b ?

Units and dimensions - 2

Friday, 29 January, 2021 21:33

Suppose $A = B^n C^m$, where A has dimensions LT , B has dimensions $L^2 T^{-1}$ and C has dimensions LT^2 . What are the values of n and m ?