

Density – 2022 June O Level 5054

1. June/2022/Paper_11/No.5

A plastic cube, of density ρ , is compressed so that each of its sides becomes one-half of its original length.

What is the new density of the material of the cube?

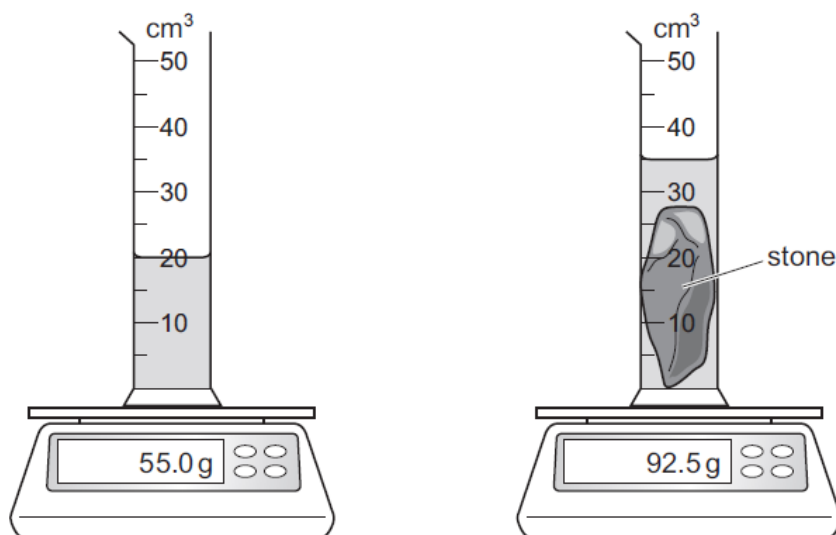
- A** 0.125ρ **B** 0.50ρ **C** 2.0ρ **D** 8.0ρ

2. June/2022/Paper_12/No.6

A measuring cylinder containing water is placed on a balance.

A stone is placed into the water.

The diagram shows the readings on the balance and on the measuring cylinder.



What is the density of the stone?

- A** 1.1g/cm^3 **B** 1.5g/cm^3 **C** 2.5g/cm^3 **D** 2.6g/cm^3