

1 Habib has two identical tins.

He puts 600 grams of flour into one of the tins.

The flour fills the tin completely.

The density of the flour is  $0.6 \text{ g/cm}^3$

Habib puts 600 grams of salt into the other tin.

The salt does **not** fill the tin completely.

The volume of the space in the tin that is **not** filled with salt is  $700 \text{ cm}^3$

Work out the density of the salt.

You must show all your working.

.....  $\text{g/cm}^3$

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**(Total for Question 1 is 4 marks)**