4 (a) A copper cube has a mass of 0.0717 kg.

(i) Calculate the weight of this copper cube.

Give the unit.

(2)

weight = ... unit .....

(ii) State the equation linking density, mass and volume.

(1)

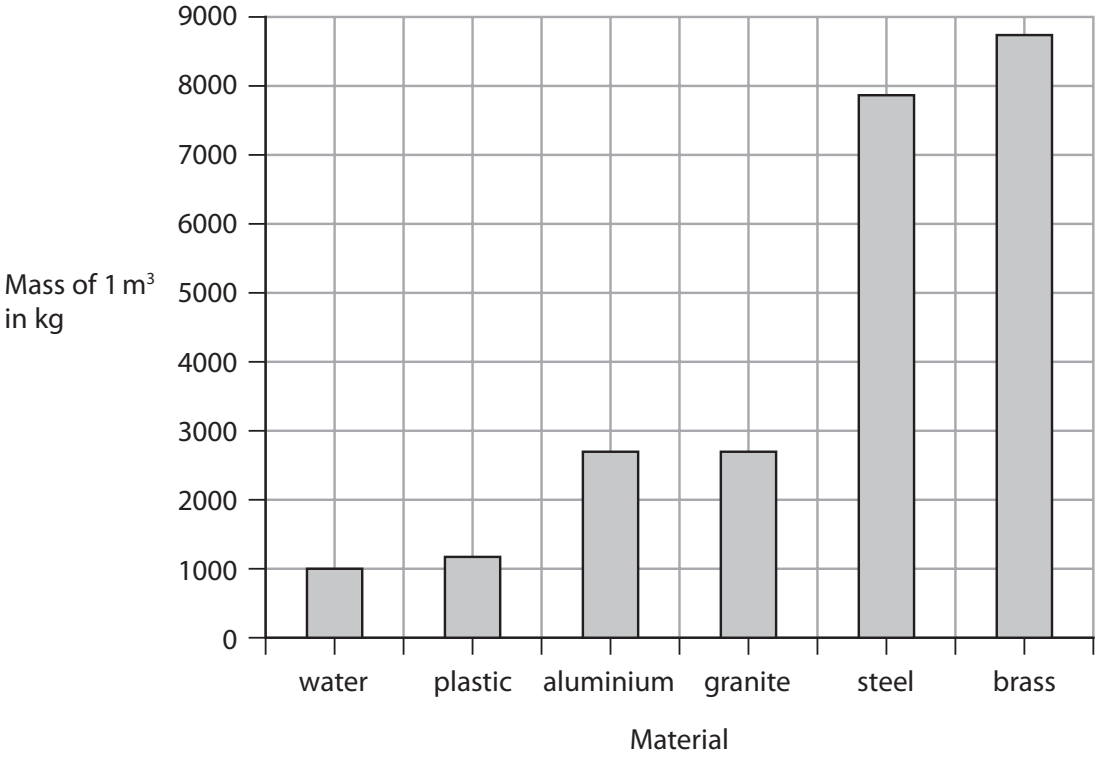
(iii) The density of copper in this cube is 8960 kg/m^3.

Calculate the volume of this copper cube.

(2)

volume = ... m^3

(b) The graph shows the masses of some materials when their volume is 1 m^3.



(i) State the type of graph shown.

(1)

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(ii) Use information from the graph to compare the densities of granite and steel.

(2)

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(Total for Question 4 = 8 marks)

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