IGCSE – Similar length/area and volume – 4

9 **(b)** A model of a car has a scale of 1 : 25.

    (i) The length of the car is 3.95 m.
        Calculate the length of the model.
        Give your answer in centimetres. [3]

    (ii) The painted surface area of the model is 128 cm^2.
        Calculate the painted surface area of the car, giving your answer in square centimetres. [2]

    (iii) The size of the luggage space of the car is 250 litres.
        Calculate the size of the luggage space of the model, giving your answer in millilitres. [3]

Oct 06 Paper 2

13 A statue two metres high has a volume of five cubic metres.
A similar model of the statue has a height of four centimetres.

(a) Calculate the volume of the model statue in cubic centimetres.

Answer(a) .... cm^3 [2]

(b) Write your answer to **part (a)** in cubic metres.

Answer(b) .... m^3 [1]