

**17** A model of a train is made to a scale of 1 : 48

The engine of the train has a length of 16.1 m

(a) Calculate, in cm to 3 significant figures, the length of the engine of the model.

..... cm  
(2)

The volume of a carriage on the model is  $995 \text{ cm}^3$

(b) Calculate, in  $\text{m}^3$  to 3 significant figures, the volume of this carriage on the train.

.....  $\text{m}^3$   
(3)

(Total for Question 17 is 5 marks)

