Question 8: Boxed in!
(5 marks)

A construction game uses identical rectangular planks. The length of each plank is 5 times the height and the breadth is twice the height.

A box is completely filled with 48 planks with no empty space. The interior dimensions of this box are 8cm by 16cm by 30cm.

Calculate the dimensions of a single plank.

Provide two possible arrangements of the 48 planks in this box.