

6. (i) With a scale of 1:100 000 how many kilometres are represented by 1 centimetre?

Answer: ..... km (1)

(ii)



A forest ranger leaves home ( $H$ ) to visit Willow Farm ( $F$ ) which is 8 kilometres away on a bearing of  $035^\circ$ .

- (a) Using a scale of 1:100 000 plot the position of Willow Farm. (2)

Next the ranger goes to Sunnyside Campsite ( $C$ ) which is 10.5 kilometres from the farm ( $F$ ) and on a bearing of  $300^\circ$  from the ranger's home ( $H$ ).

- (b) Plot the position of the campsite. (2)

- (c) What is the bearing of the campsite from the farm?

Answer: .....<sup>o</sup> (2)