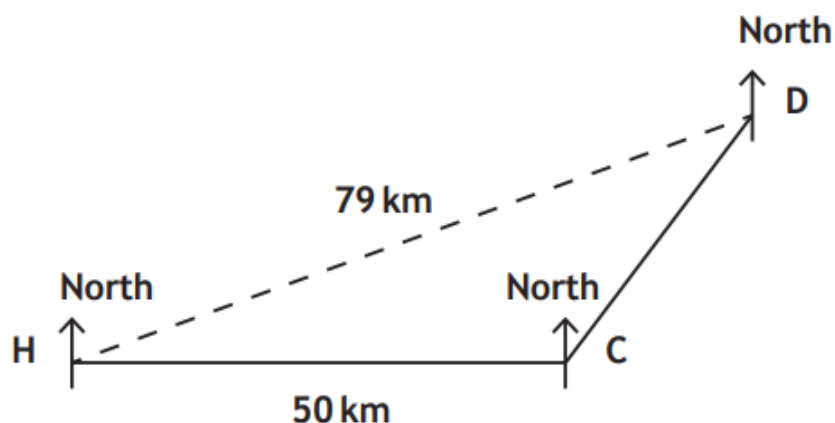




A yacht sails from a harbour H to a point C, then to a point D as shown below.



C is 50 kilometres due east of H.

D is on a bearing of 040° from C and is 79 kilometres from H.

- (a) Calculate the size of angle CDH. 4
- (b) Hence, calculate the bearing on which the yacht must sail to return directly to the harbour. 2

Answers:

- (a) 29°
(b) 249°