In a race, boats sail round three buoys represented by A, B, and C in the diagram below.
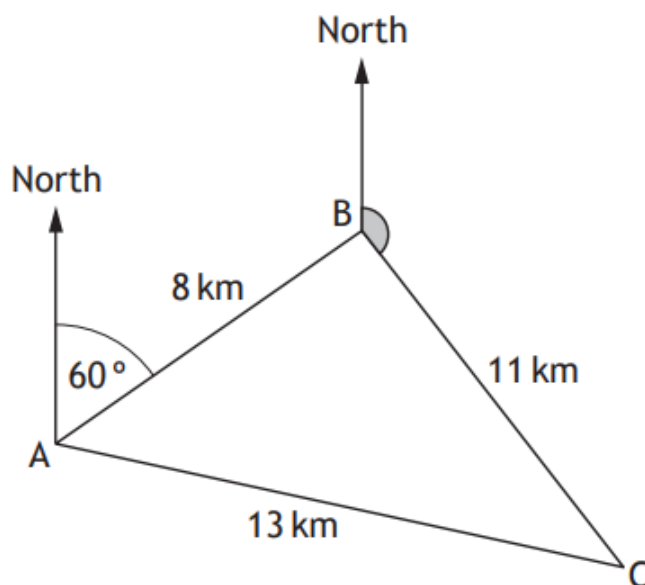
B is 8 kilometres from A on a bearing of 060°.

C is 11 kilometres from B.

A is 13 kilometres from C.

(a) Calculate the size of angle ABC. **3**

(b) Hence find the size of the shaded angle. **2**

Answers:

(a) 84.8°

(b) 155.2°