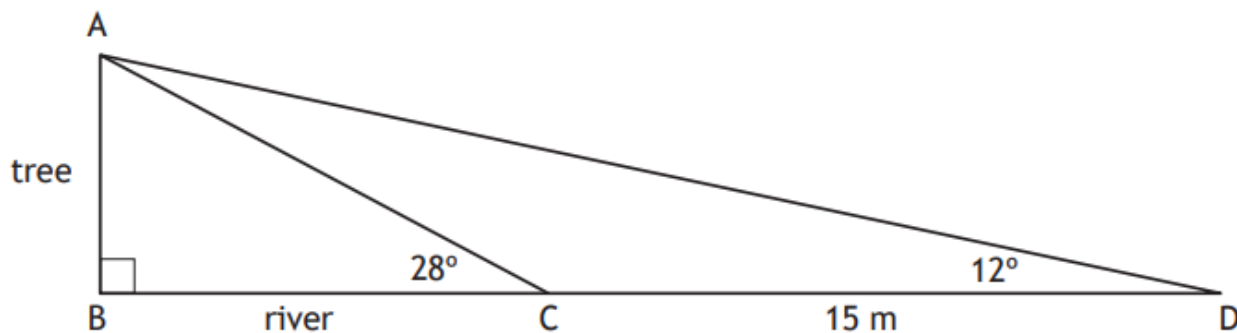The width of a river is represented by BC in the diagram below.

AB represents a tree on the river bank.

- From C, the angle of elevation to A is 28°.
- From D, the angle of elevation to A is 12°.
- The distance from C to D is 15 metres.
- BCD is a straight line.

Calculate BC, the width of the river.   5

Answer:

9.99 m