

Questions: 2

Q.1 A river of width 200 m is flowing from west to east with a speed of 18 km/h. A boat, moving with speed of 36 km/h in still water, is made to travel one-round trip (bank to bank of the river). Minimum time taken by the boat for this journey and also the displacement along the river bank are _____ and _____ respectively.

(1) 20 s and 100 m (2) 40 s and 100 m
(3) 40 s and 200 m (4) 40 s and 0 m



Q.2 A river is flowing from west to east direction with speed of 9 km h^{-1} . If a boat capable of moving at a maximum speed of 27 km h^{-1} in still water, crosses the river in half a minute, while moving with maximum speed at an angle of 150° to direction of river flow, then the width of the river is :

(1) 112.5 m (2) 75 m
(3) 300 m (4) $112.5 \times \sqrt{3}$ m



Ques.	1	2								
Ans.	3	1								