

TARGET SBI 11/20



MATHS

BOAT & STREAM **PART-2**



CLASS 51

A boat running at the speed of 34 kmph downstream covers a distance of 4.8 kms in 8 minutes. The same boat while running upstream at the same speed covers the same distance in 9 minutes. What is the speed of the current ?

A steamer goes downstream from one port to another in 4 hours. It covers the same distance upstream in 5 hours. If the speed of stream is 2 km/hr, the distance between the two ports is :

The speed of boat in still water is 6 kmph and that of current is 3 kmph. The boat starts from point A and rows to point B and comes back to point A. It takes 12 hours during this journey. How far is point A from point B ?

There are two places A and B which are separated by a distance of 100km. Two boats start from both the places at the same time towards each other. If one boat is going downstream then the other one is going upstream, if the speed of A and B is 12km/hr. and 13km/hr. respectively. Find at how much time will they meet each other.

A ship sails 30km of a river towards upstream in 6 hours. How long will it take to cover the same distance downstream. If the speed of the current is $(\frac{1}{4})$ th of the speed of the boat in still water.

The speed of a boat in still water is 17.5 kmph and that of current is 2.5 kmph. The boat goes from X to Y in downstream and returns to point Z. The whole journey takes 429 minutes. The distance between Z and Y is $\frac{2}{5}$ of the distance between X and Y. Find the total distance covered by the boat.
(approximated to the nearest integers)

Speed of a boat in standing water is 12 kmph and the speed of the stream is 3 kmph. A man rows to a place at a distance of 6300 km and comes back to the starting point. The total time taken by him is: