

Boats & Races

Practice Exercise

- 1) Shanti beats Preethi by 30 meters in a race of 300 metres, whereas Preethi beats Deepika by 40 meters in a race of 240 meters. By how many meters could Shanti beats Deepika in a race of 200 meters?
a) 100 m b) 200 m c) 50 m d) 150 m
- 2) In a 100 meter race, A beats B by 20 m, and C by 40 m, then by what distance does B beat C in a separate 200 m race
a) 80 m b) 50 m c) 25 m d) 75 m
- 3) In a kilometer race, A beats B by 100 m and B beats C by 100 m. By what distance does A beat C in the same race.
a) 100 m b) 200 m c) 190 m d) 119 m
- 4) In a 200 m race, Amar beats Babu by 40 m or 5 seconds. Find the speed of Amar.
a) 10 m/s b) 8 m/s c) 7.5 m/s d) 8.5 m/s
- 5) In a race of 100 meters, A beats B by 10 meters and C by 13 meters. In a race of 180 meters B beats C by:
a) 5.4 meters b) 4.5 meters c) 5 meters d) 6 meters
- 6) In a 100 m race, A can beat B by 25 m and B can beat C by 4 m. In the same race, A can beat C by ____?
a) 21 m b) 26 m c) 28 m d) 29 m
[Amcat]
- 7) If a boat is moving upstream with a speed of 14 kmph and goes downstream with a speed of 40 kmph, what is the speed of the stream?
a) 13 kmph b) 14 kmph c) 27 kmph d) 20 kmph
- 8) A boat travels 35 km upstream in 5 hours and 110 km downstream in 10 hours. What is the speed of the boat in still water and the speed of the stream (in kmph)?
a) 8 kmph, 3kmph b) 7 kmph, 2 kmph c) 9 kmph, 2 kmph d) 8 kmph, 2 kmph

- 9) The speed of a boat in still water is 50 kmph. If the boat travels 90 km along the stream in 1 hour and 30 minutes, what is the time taken by the boat to cover the same distance against the stream?
a) 120 minutes b) 115 minutes c) 135 minutes d) 150 minutes
- 10) A boatman can row 3 kms against the current in 12 minutes and return in 10 minutes. What is the speed of the stream?
a) 2 kmph b) 1 kmph c) 4 kmph d) 1.5 kmph
- 11) A boat can travel in a river, to a certain distance downstream in 5 hours and return the same distance in 8 hours. Find the ratio of speed of boat to stream?
a) 14 : 3 b) 3 : 13 c) 13 : 3 d) 13 : 1
- 12) Ajay can row a certain distance downstream in 6 hours and return the same distance in 9 hours. If the stream flows at the rate of 3 kmph, find the speed of Ajay in still water?
a) 12 kmph b) 13 kmph c) 14 kmph d) 15 kmph
- 13) The speed of the stream is 5 kmph. A motorboat goes 10 km upstream and back again to the starting point in 50 minutes. What is the speed of the motorboat in still water?
a) 20 kmph b) 25 kmph c) 28 kmph d) 30 kmph
- 14) How long will it take to row 90 km upstream, if one can row 10 km in 10 minutes in still water and the same distance in 8 minutes with the stream?
a) 2 hours b) 3 hours c) 4 hours d) 1 hour
- 15) From A, a boat travels 48 kms downstream in 3 hours and the remaining 24 km upstream to reach B. If the downstream speed is twice as high as the upstream speed, what is the average speed of the boat for the journey from A to B?
a) 8 kmph b) 12 kmph c) 14 kmph d) 16 kmph

Check the Answers

1	C	6	C	11	C
2	B	7	A	12	D
3	C	8	C	13	B
4	A	9	C	14	A
5	D	10	D	15	B