
108 DAYS ONLINE COACHING - DAY 24 - (27-09-2019)

BOAT AND SPEED



NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO (JOINED IN THE SAI EDUCATION COACHING PLATFORM) *

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<https://youtu.be/8EYcdFyAqfU>

1. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream. *

1 point

 2 h 3 h 4 h 5 h

2. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is: *

1 point

 8 3 9 5

3. A boat running downstream covers a distance of 16 km in 2 hours while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water(km/h)? *

1 point

 4 8 3 6

4. The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. 1 point

The distance travelled downstream in 12 minutes is: *

- 1.2 km
- 2.4 km
- 1.8 km
- 3.6 km

5. A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it 1 point

takes him 1 hour to row to a place and come back, how far is the place(km)? *

- 2.4
- 2.6
- 3.4
- 3.6

6. A boat covers a certain distance downstream in 1 hour, while it comes back in 1 1 point

hours. If the speed of the stream be 3 kmph, what is the speed of the boat in still water(km/h)? *

- 12
- 15
- 14
- 13

7. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water? *

1 point

- 40 min
- 1 hour
- 1 hour 15 min
- 1 hour 30 min

8. Speed of a boat in standing water is 9 kmph and the speed of the stream is 1.5 kmph. A man rows to a place at a distance of 105 km and comes back to the starting point. The total time taken by him is: *

1 point

- 18 h
- 20 h
- 22 h
- 24 h

9. A man takes twice as long to row a distance against the stream as to row the same distance in favour of the stream. The ratio of the speed of the boat (in still water) and the stream is: *

1 point

- 2:1
- 3:1
- 3:2
- 4:3

10. In one hour, a boat goes 11 km along the stream and 5 km against the stream. 1 point

The speed of the boat in still water (in km/hr) is: *

3

5

8

9

11. A man can row upstream at 8 km/h and downstream at 13 km/h. The speed of the stream (in km/h) is; * 1 point

2.5

4.2

5

10.5

12. A certain boat downstream covers a distance of 16 km in 2 hours downstream while covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water (in km/h)? * 1 point

4

6

8

2

13. The speed of a boat in still water is 10 km/hr. If it can travel 26 km downstream and 14 km upstream in the same time, the speed of the stream (in km/h) is: *

1 point

 2 2.5 3 4

14. A man rows 24 km upstream in 6 hours and a distance of 35 km downstream in 7 hours. Then the speed of the man in still water (in km/h) is *

1 point

 4.5 4 5 5.5

15. A boat goes 12 km upstream in 48 minutes. The speed of stream is 2 km/hr. The speed of boat in still water (in km/h) is *

1 point

 15 16 17 18

16. The speed of the boat when traveling downstream is 32 km/hr. whereas when traveling upstream it is 28 km/hr. What is the speed of the boat in still water and the speed of the stream? *

1 point

 30,2 28,3 25,2 30,3

17. A boat take 8 hours to cover a distance while traveling upstream, whereas while traveling downstream it takes 6 hours. If the speed of the current is 4 km/hr. What is the speed of the boat in still water(in km/h)? *

1 point

 12 24 14 28

18. In one hour, a boat goes 14 km/hr along the stream and 8 km/hr against the stream. The speed of the boat in still water (in km/hr) is: *

1 point

 12 11 10 8

19. The speed of a boat in still water is 22 km/hr and the rate of current is 4 km/hr. 1 point

The distance travelled (in km) downstream in 24 minutes is: *

- 9.4
- 10.2
- 10.4
- 9.2

20. A boat can travel with a speed of 22 km/hr in still water. If the speed of the stream is 5 km/hr, find the time taken by the boat to go 54 km downstream 1 point

*

- 5 h
- 4 h
- 3 h
- 2 h

21. A boat running downstream covers a distance of 22 km in 4 hours while for 1 point

covering the same distance upstream, it takes 5 hours. What is the speed of the boat in still water (in km/h)? *

- 5
- 4.95
- 4.75
- 4.65

22. If a man can row a boat in 18 km/h in still water and he can row twice the speed in downstream than upstream . Then what will be the speed of the stream(in km/h)? 1 point

*

 6 9 4 3

23. If a man can row a boat at 20 km/h in still water and he can row thrice the speed in downstream than upstream. Then what will be the speed of the stream(in km/h)? 1 point

*

 6.33 5 10 4

24. A man can row a boat to a certain distance upstream in 4 hours and take 3 hour to row downstream the same distance. What is the speed of boat in still water(in km/h),if the speed of stream is 2 km/h ? * 1 point

 12 14 13 11

25. A man can row a boat at 6 km/h in still water and speed of the current is 2 km/h. If he takes 45 minutes to row the boat to a place and back. Find the distance between the two places? *

1 point

 2 km 1 km 5 km 3 km

THANK YOU!!!



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