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1) A man can row  $7\frac{1}{2}$  kms on hour in still water and he finds that it takes hi twice as long to row down the river. The rate of stream is

- a) 2.4km/hr      b) 2.5 km/hr  
c) 3.4km/hr      d) 3.5km/hr

2) A man can row three-quarters of a kilometer against the stream in  $11\frac{1}{4}$  minutes and return in  $7\frac{1}{2}$  minutes. The speed of the man in still water is \_\_\_\_\_?

- a) 2km/hr      b) 3km/hr  
c) 4 km/hr      d) 5 km/hr

3) A boat goes 6 km in an hour in still water. It takes thrice as much time in covering the same distance against the current. Speed of the current is \_\_\_\_\_?

- a) 2 km/hr      b) 3km/hr  
c) 4km/hr      d) 5 km/hr

4) A boat running upstream takes 8 hours 48 min to cover a certain distance while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and the speed of water current respectively?

- a) 2 : 1      b) 3 : 1  
c) 8 : 3      d) Cannot be determined

5) In a river, a man takes 3 hours in rowing 3 km upstream or 15 km downstream. What is the speed of the current?

- a) 2km/hr      b) 4km/hr  
c) 6km/hr      d) 9km/hr

6) A man can row at 5 km/hr in still water, if the river is running at 1 km/hr it takes him 75 minutes to row to a place and back. How far is the place?

- a) 2.5km      b) 3km  
c) 4 km      d) 5 km

7) Muskan can row 16 kmph in still water. It takes her thrice as long to row up as to row down the river. Find the difference between her speed in still water and that of the stream.

- a) 8 kmph      b) 16 kmph  
c) 24 kmph      d) 12 kmph

8) Two boats A and B start towards each other from two places, 150 km apart. Speed of the boat A and B in still water are 16 km/hr and 14 km/hr respectively. If A proceeds down and B up the stream, they will meet after.

- a) 4.5 hours      b) 4 hours  
c) 5 hours      d) 6 hours







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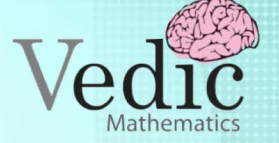
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9) If the ratio of speed of boat in downstream and speed of stream is 9 : 1, speed of current is 3 km per hr, What would be the distance travelled in upstream by the boat in 5 hours?

- a) 90 km                      b) 97 km  
c) 115 km                    d) 105 km

10) Distance between a point of A and point B in a river is 12 km and the flow of the stream is from A to B. If the speed of the boat is 4 km/h and speed of the stream is 2 km/h. The boat goes from B to A and then comes back. What is the distance between point A and the boat after 7 hours of travel since the time of starting?

- a) 2 km                      b) 3 km  
c) 4 km                      d) 6 km

11) A boat travels upstream from point A to B in 5 hours. What is the distance between A and B, if it takes 2.5 hours to travel downstream from point B to A and speed of stream is 1 km per hour?

- a) 8 km                      b) 12 km  
c) 16 km                    d) None of the above

12) Ratio between speed of boat in still water to speed of stream is 5 : 2. If 224 km is travelled by downstream in 4 hours then find the difference between speed of boat in still water and speed of stream?

- a) 24 km/hr                      b) 22 km/hr  
c) 28 km/hr                    d) 26 km/hr

13) A boat takes 19 hours for travelling downstream from point A to point B and coming back to a point C which is at midway between A and B. If the velocity of the stream is 4 kmph and the speed of the boat in still water is 14 kmph, what is the distance between A and B ?

- a) 180 km                      b) 160 km  
c) 140 km                    d) 120 km

14) The current of a stream at 1 kmph. A motor boat goes 35 km upstream and back to the starting point in 12 hours. The speed of the motor boat in still water is ?

- a) 8 kmph                      b) 6 kmph  
c) 7.5 kmph                    d) 5.5 kmph

15) A boat sails 15 km of a river towards upstream in 5 hours. How long will it take to cover the same distance downstream, if the speed of current is one-fourth the speed of the boat in still water:

- a) 1.8h                      b) 3h  
c) 4h                      d) 5h

16) A man can row 6 kmph in still water. When the river is running at 1.2 kmph, it takes him 1 hour to row to a place and back. What is the total distance traveled by the man ?







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a) 4.58 kms

b) 6.35 kms

c) 5.76 kms

d) 5.24 kms

17) A boatman can row 3 km against the stream in 20 minutes and return in 18 minutes. Find the rate of current ?

a)  $\frac{1}{3}$  kmph

b)  $\frac{2}{3}$  kmph

c)  $\frac{1}{4}$  kmph

d)  $\frac{1}{2}$  kmph

18) A boatman can row 96 km downstream in 8 hr. If the speed of the current is 4 km/hr, then find in what time he will be able to cover 8 km upstream ?

a) 1.5 hrs

b) 1 hrs

c) 2.5 hrs

d) 2 hrs

19) In one hour, a boat goes 12 km/hr along the stream and 6 km/hr against the stream. The speed of the boat in still water (in km/hr) is:

a) 9

b) 8

c) 7

d) 7.5

20) Amith can row a boat d km upstream and the same distance downstream in 5 hours 15 minutes. Also, he can row the boat 2d km upstream in 7 hours. How long will it take to row the same distance 2d km downstream for Amith ?

a) 4 hrs 10 min

b) 3 hrs 15 min

c) 3 hrs 30 min

d) 4 hrs 1 min

21) A boat travels 72 km downstream in 8 hours and 84 km upstream in 12 hours. Find the speed of the boat in still water and the speed of the water current ?

a) 9 and 3 kmph

b) 6 and 7 kmph

c) 8 and 1 kmph

d) 7 and 2 kmph

22) A man can row upstream at 16 km/hr and downstream at 24 km/hr. Find the speed of the current.

a) 4 kmph

b) 6 kmph

c) 5 kmph

d) 3 kmph

23) A man can row against the current three fourth of a kilometer in 15 min and returns same distance in 10 min, then ratio of his speed to that of current?

a) 5:1

b) 3:1

c) 4:1

d) 2:1

24) If sum of upstream and downstream speed of a boat is 82 kmph, and the boat travels 105 km. upstream in 3 hr, Find the time taken by boat to cover 126 km downstream.

a) 2.8 hrs

b) 2.7 hrs

c) 2.6 hrs

d) 2.5 hrs

25) A boat while travelling upstream covers a distance of 29 km at the speed of 6 km/h, whereas while travelling downstream it covers the same distance at







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a speed of 12 km/h. What is the speed of the boat in still water?

- a) 6 kmph      b) 8 kmph  
c) 9 kmph      d) 11 kmph

26) A person can row  $8 \frac{1}{2}$  km an hour in still water and he finds that it takes him twice as long to row up as to row down the river. The speed of the stream ?

- a) 1.78 kmph      b) 2.35 kmph  
c) 2.83 kmph      d) 3.15 kmph

27) If the boat goes 7 kms upstream in 42 min and speed of the stream is 3 kmph, then the speed of the boat in still water ?

- a) 14 kmph      b) 13 kmph  
c) 12 kmph      d) 11 kmph

28) A boat takes 2 hours to travel from point A to B in still water. To find out its speed upstream, which of the following information is/are required?

- A. Distance between point A and B.  
B. Time taken to travel downstream from B to A.

C. Speed of the stream of water.

- a) Only A and B  
b) Only B and C  
c) All are required  
d) Any one pair of A and B, B and C or C and A is sufficient

29) Find the speed of stream if a boat covers 36 km in downstream in 6 hours which is 3 hours less in covering the same distance in upstream?

- a) 1.5 kmph      b) 1 kmph  
c) 0.75 kmph      d) 0.5 kmph

30) A Woman's downstream swimming rate is thrice of her upstream swimming rate. If she covers 12 km upstream in 2.5 hours, what distance she will cover in 5 hours downstream?

- a) 72 km      b) 36 km  
c) 56 km      d) 42 km

