BOAT AND STREAM

A Boat's speed with the current is 15 kmph and the speed of the current is 2.5 kmph. The Boat's speed against the current is:

- (a) 8.5 kmph
- (b) 9 kmph
- (c) 10 kmph
- (d)12.5 kmph
- (e) 14 kmph

The speed of motorboat in still water is 25 km/hr. It takes 6 hours to go 120 km upstream. Find the time taken by the motorboat to return the same distance.

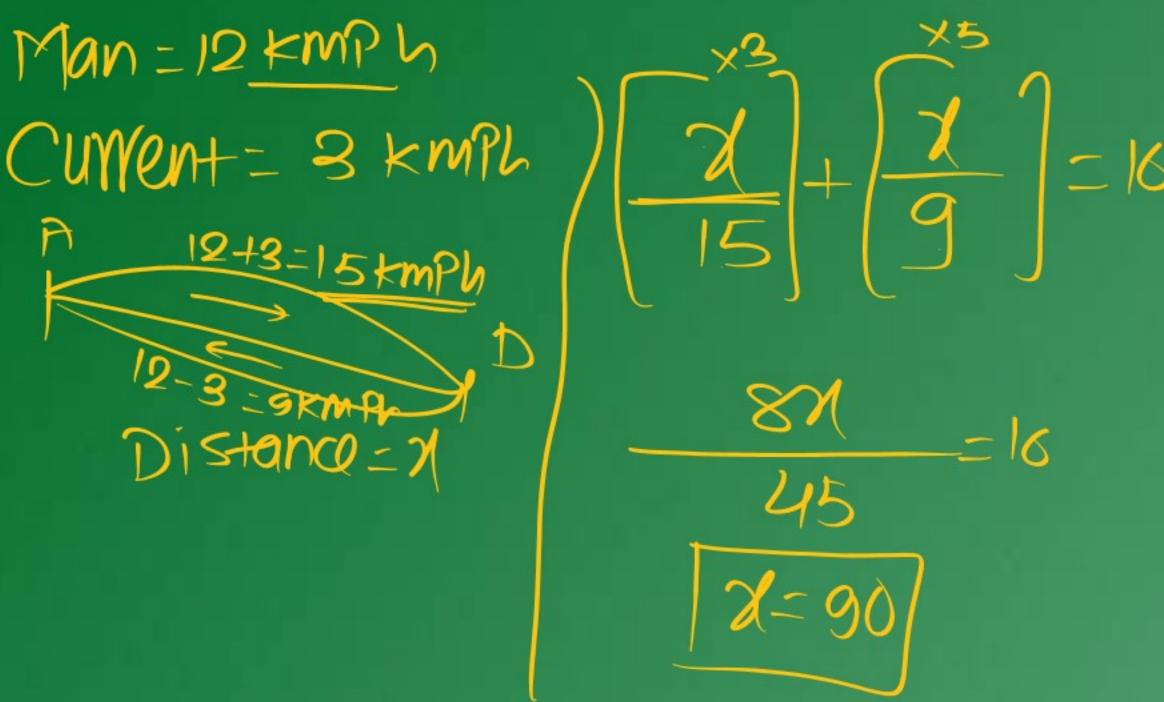
- A. 3.5 hours
- B. 2.5 hours
- C. 4 hours
- D. 4.5 hours
- E. None of these D = 120 km

Boat = 25

Down

A man can row at 12 kmph in still water. If the velocity of current is 3 kmph and it takes him 16 hour to row to a place and come back, how far is the place?

- (a) 18 km^{\times}
- (b) $12 \text{ km} \times$
- (c) 80 km
- (d) 90 km
- (e) 60 km X



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?

24 km/hr

B. 22 km/hr

C. 28 km/hr

D. 26 km/hr

E. 30 km/hr

A man can row 10 km/hr in still water. If the river is running at 4 km/hr, it takes 8 hours more in upstream than to go downstream for the same distance. How far is the place?

- (a) 88 km
- (b) 84 km
- (c) 92 km
- (d) 90 km
- (e) 94 km

Trian=10 giver=
$$\alpha$$

Down=14 kmph

UP = 6 kmpl.

 $\frac{x^3}{6} - \frac{x^3}{14} = 8$
 $\frac{x^3}{42} = 8$
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A boat running downstream covers a distance of 24 km in 3 hours while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water?

- (a) 4 kmph
- (b) 7 kmph
- (c) 8 kmph
- (d)12 kmph
- (e)10 kmph

Majnu can row a certain distance upstream in 18 hours and downstream the same distance in 12 hours. If the stream flows at the rate of 6 kmph, then find the speed of Majnu in still water.

Boat = >1

STROM=6

- (a) 30 kmph
- (b) 35 kmph
- (c) 28 kmph
- (d) 25 kmph
- (e) 22 kmph

$$-S_{1} \times 1, = S_{2} \times \frac{1}{2}$$

$$(3+6) \times 12 = (3-6) \times 18$$

$$12 \times 1+32 = 1831 - 108$$

A boat goes 204 km upstream and 266 km downstream in 13 hrs, when the speed of stream is 2 km/h. What will be the distance (in km) covered by boat going downstream for 8 hrs when the speed of stream is 3 km/h?

A. 340

B. 336

C. 312

D. 296

E. None of these

A boat takes 9 hr to travel a distance upstream and takes 3 hr to travel the same distance downstream. If the speed of the boat in still water is 4 kmph, then what is the velocity of the stream?

- (a) 4 kmph
- (b) 3 kmph
- (c) 6 kmph
- (d) 2 kmph
- (e) 8 kmph

The ratio of the speed of a boat in still water to the speed of stream is 7 : 3. Aman goes 40km upstream in 2 hrs. How much time will he take to go 70 km downstream and come back same distance upstream?

- A. 4 hrs 45 min.
- B. 4 hrs. 55 min.
- C. 4 hrs. 54 min.
- D. 4 hrs. 40 min.
- E. None of these