



1. In how much time will a train A of length 329.99 m travelling at a speed of 7.94 m/sec will cross another train B of length 128.53 m travelling in the same direction at a speed of 4.90 m/sec?
(i) 149.83 sec (ii) 150.83 sec (iii) 151.83 sec (iv) 148.83 sec (v) 152.83 sec
2. In how much time will a train A of length 321.40 m travelling at a speed of 15.64 m/sec will cross another train B of length 403.78 m travelling in the opposite direction at a speed of 15.14 m/sec?
(i) 25.56 sec (ii) 21.56 sec (iii) 22.56 sec (iv) 24.56 sec (v) 23.56 sec
3. In how much time will a train of length 465.05 m travelling at a speed of 14.82 m/sec crosses a man riding a cycle in the same direction at a speed of 8.01 m/sec?
(i) 67.29 sec (ii) 68.29 sec (iii) 70.29 sec (iv) 69.29 sec (v) 66.29 sec
4. In how much time will a train of length 211.25 m travelling at a speed of 5.50 m/sec crosses a man riding a cycle in the opposite direction at a speed of 4.61 m/sec?
(i) 20.90 sec (ii) 19.90 sec (iii) 18.90 sec (iv) 21.90 sec (v) 22.90 sec
5. A motor boat can move at a speed of 46.80 m/sec in still water. If it goes upstream for 87.46 sec, it travels a distance of 3040.00 m. What is the speed of the stream?
(i) 14.04 m/sec (ii) 10.04 m/sec (iii) 12.04 m/sec (iv) 13.04 m/sec (v) 11.04 m/sec
6. A motor boat can move at a speed of 12.63 m/sec in still water. If it goes downstream for 197.30 sec, it travels a distance of 4526.00 m. What is the speed of the stream?
(i) 10.31 m/sec (ii) 12.31 m/sec (iii) 8.31 m/sec (iv) 9.31 m/sec (v) 11.31 m/sec
7. A motor boat can travel at a speed of 15.32 m/sec downstream and 2.98 m/sec upstream. What is the speed of the motor boat in still water?
(i) 10.15 m/sec (ii) 11.15 m/sec (iii) 7.15 m/sec (iv) 8.15 m/sec (v) 9.15 m/sec
8. A motor boat can travel at a speed of 11.62 m/sec downstream and 0.98 m/sec upstream. What is the speed of the stream?
(i) 6.32 m/sec (ii) 4.32 m/sec (iii) 7.32 m/sec (iv) 5.32 m/sec (v) 3.32 m/sec
9. A motor boat can travel at a speed of 25.60 m/sec downstream and 0.18 m/sec upstream. How much distance can the boat travel in 39.31 sec in still water?
(i) 504.71 m (ii) 507.71 m (iii) 508.71 m (iv) 505.71 m (v) 506.71 m
10. A motor boat can travel at a speed of 38.14 m/sec downstream and 29.58 m/sec upstream. How much time will it take to cross a distance of 387.02 m in still water?
(i) 13.43 sec (ii) 11.43 sec (iii) 10.43 sec (iv) 9.43 sec (v) 12.43 sec
11. The speed of a motor boat is 14.61 m/sec and the speed of a stream is 6.98 m/sec. A & B are two location adjacent to a stream. If it takes 446.81 sec to go from point A to B and come back, What is the distance between A and B?
(i) 2517.95 m (ii) 2519.95 m (iii) 2518.95 m (iv) 2516.95 m (v) 2520.95 m

- The speed of a motor boat is 17.53 m/sec and the speed of a stream is 9.53 m/sec. A & B are two location adjacent to a stream. If the distance between A and B is 3096.00 m, how much time will it take to go from A to B and back to A?
- (i) 499.41 sec (ii) 502.41 sec (iii) 503.41 sec (iv) 500.41 sec (v) 501.41 sec
- The distance between two places X and Y is 260.38 m. Two persons A and B start simultaneously at X and Y at speeds of 13.47 m/sec and 5.53 m/sec respectively. Find when they meet each other if they are travelling in same direction.
- (i) 34.79 sec (ii) 30.79 sec (iii) 32.79 sec (iv) 31.79 sec (v) 33.79 sec
- The distance between two places X and Y is 455.52 m. Two persons A and B start simultaneously at X and Y at speeds of 21.64 m/sec and 11.12 m/sec respectively. Find when they meet each other if they are travelling in opposite direction.
- (i) 12.90 sec (ii) 15.90 sec (iii) 13.90 sec (iv) 11.90 sec (v) 14.90 sec
- The distance between two places X and Y is 471.72 m. Two persons A and B start simultaneously at X and Y at speeds of 16.71 m/sec and 12.79 m/sec respectively. Find the meeting point away from X where they meet each other if they are travelling in same direction.
- (i) 2010.83 m (ii) 2009.83 m (iii) 2011.83 m (iv) 2012.83 m (v) 2008.83 m
- The distance between two places X and Y is 136.78 m. Two persons A and B start simultaneously at X and Y at speeds of 7.18 m/sec and 6.02 m/sec respectively. Find the meeting point away from X where they meet each other if they are travelling in opposite direction.
- (i) 76.40 m (ii) 72.40 m (iii) 73.40 m (iv) 74.40 m (v) 75.40 m
17. In a 1200 m race, A beats B by 233.45 m and C by 475.01 m. In a 1900 m race, by how much distance does B beat C?
- (i) 382.48 m (ii) 381.48 m (iii) 380.48 m (iv) 383.48 m (v) 384.48 m
- 'P' and 'Q' are at a distance of 530.00 km apart. 'A' starts from 'P' at 06:50 AM and reaches 'Q' at 01:14 PM. 'B' starts from 'Q' at 10:48 AM and reaches 'P' at 06:40 PM. Find the distance between point P and the point where they overtake each other.
- (i) 439.50 km (ii) 438.50 km (iii) 441.50 km (iv) 440.50 km (v) 437.50 km
19. 'P' and 'Q' are at a distance of 540.00 km apart. 'A' starts from 'P' at 06:52 AM and reaches 'Q' at 02:22 PM. 'B' starts from 'Q' at 09:09 AM and reaches 'P' at 05:07 PM. At what time they overtake each other?
- (i) 11:50 AM (ii) 00:50 PM (iii) 10:50 AM (iv) 11:20 AM (v) 00:20 PM

Assignment Key

1) (ii)	2) (v)	3) (ii)	4) (i)	5) (iii)	6) (i)
7) (v)	8) (iv)	9) (v)	10) (ii)	11) (iii)	12) (v)
13) (iii)	14) (iii)	15) (i)	16) (iv)	17) (i)	18) (i)
19) (i)					