|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1) | A person takes 20 minutes more to cover certain distance by decreasing his speed by 20% what is the time taken to cover the distance at his original speed? | |  | |  |  | | --- | --- | | a) | 1 2/3hrs. | | b) | 2 1/2hrs. | | c) | 3 1/2hrs. | | d) | 1 1/3hrs. |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 2) | A train 250m long running with a speed of 50 km/hr will pass a standing man in \_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 30 Sec | | b) | 18 Sec | | c) | 15 Sec | | d) | None |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 3) | A train 180m long is running at 72 km/hr. The time it takes to pass a platform of 100m length is? | |  | |  |  | | --- | --- | | a) | 12 Seconds | | b) | 15 Seconds | | c) | 14 Seconds | | d) | 13 Seconds |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 4) | A train passes a standing man in 3 sec and a platform 50 mtrs long in 5 sec. The length of the train and its speed, respectively are\_\_\_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 75m, 90km/hr | | b) | 90m, 75km/hr | | c) | 75m, 85km/hr | | d) | 70m, 90km/hr |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 5) | The distance between two persons is 800m. If they start moving towards each other simultaneously at 10m/s and 15m/s, in how much time do they meet? | |  | |  |  | | --- | --- | | a) | 16 sec | | b) | 61 sec | | c) | 32 sec | | d) | 23 sec |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 6) | A man travels for 9 hours. The first half of the distance at 12kmph and remaining distance at 15kmph Find the distance? | |  | |  |  | | --- | --- | | a) | 100km | | b) | 120km | | c) | 180km | | d) | 150km |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 7) | A man takes 5 hours 45 minutes in walking to a certain place and riding back. He would have gained 2 hours by riding both ways. The time would have walked both the ways is | |  | |  |  | | --- | --- | | a) | 3hrs. 45min. | | b) | 7hrs. 45min. | | c) | 4hrs. 30min. | | d) | None |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 8) | Two men start together to walk to a certain destination one at 3kmph and another at 3.75kmph. The latter arrives half an hour before the former. Then the distance is \_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 12km. | | b) | 6km. | | c) | 16km. | | d) | 7.5km. |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 9) | Ravi jogs 9km. at a speed of 6km. per hour. At What speed would he need to jog during the next 1.5 hours to have an average of 9km per hour for the entire jogging session? | |  | |  |  | | --- | --- | | a) | 12kmph. | | b) | 10kmph. | | c) | 9kmph. | | d) | 8kmph. |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 10) | Traveling at a speed of 8kmph, a student reaches school from his house 10 minutes early. If he travels at 6kmph, he is late by 20 minutes. Find the distance between the school and the house | |  | |  |  | | --- | --- | | a) | 11km. | | b) | 12km. | | c) | 10km. | | d) | 18km. |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 11) | A train 300 meters long is moving at a speed of 50 km/hr. It will cross a man coming from the opposite direction at a speed of 4 km/hr in \_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 15 Sec | | b) | 20 Sec | | c) | 30 Sec | | d) | None |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 12) | A train 110 mtrs long travels at 60 km/hr. How long does it take to cross another train 170 mtrs long running at 54 km/hr in the same direction? | |  | |  |  | | --- | --- | | a) | 16 Sec | | b) | 16.8 Sec | | c) | 168 Sec | | d) | 186 Sec |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 13) | Two trains in the same direction at 40 kmph & 22 kmph completely pass one another in 1 minute. If the length of the first train is 125 mtrs, the length of 2nd rain is \_\_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 125 mtrs | | b) | 150 mtrs | | c) | 175 mtrs | | d) | 200 mtrs |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 14) | A man sitting, in a train which is traveling at 50kmph observes that a goods train, traveling in opposite direction, takes 9 seconds to pass him. If the goods train is 280meters long, find its speed \_\_\_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 62km/hr | | b) | 50km/hr | | c) | 58km/hr | | d) | 48km/hr |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 15) | Two Trains of equal length cross a pole in 4 seconds and 5 seconds respectively. What is the time taken by the faster train to overtake the slower train if they travel in the same direction? | |  | |  |  | | --- | --- | | a) | 4.4 Sec | | b) | 15 Sec | | c) | 20 Sec | | d) | 40 Sec |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 16) | A boat travels upstream from B to A and downstream from A to B in 3 hours. If the speed of boat in still water is 9 km/hr and the speed of current is 3 km/hr the distance between A and B (in km) is | |  | |  |  | | --- | --- | | a) | 4 | | b) | 6 | | c) | 8 | | d) | 12 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 17) | A man can row 30 km upstream and 44 km downstream in 10 hours. Also he can row 40 km upstream and 55 km downstream in 13 hours. Find the rate of the current? | |  | |  |  | | --- | --- | | a) | 3 km/hr | | b) | 8 km/hr | | c) | 10 km/hr | | d) | 12 km/hr |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 18) | Mathew 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 km per hour find the speed of Mathew in still water? | |  | |  |  | | --- | --- | | a) | 10 km/hr | | b) | 15 km/hr | | c) | 18 km/hr | | d) | 20 km/hr |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 19) | A man can row 8 km/hr in still water and he finds that it takes him thrice as much time to row upstream than as to row downstream the same distance in river. The speed of the stream is | |  | |  |  | | --- | --- | | a) | 7 km/hr | | b) | 6 km/hr | | c) | 4 km/hr | | d) | 5 km/hr |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 20) | Running at 5/4th of his usual speed, an athlete improves his timing by 5 minutes. The time he usually takes to run the same distance is : | |  | |  |  | | --- | --- | | a) | 30 min | | b) | 28 min | | c) | 25 min | | d) | 23 min |   . | |