



MATHS

BOOKS - JNAN PUBLICATION

TIME AND DISTANCE



After meeting our teacher at the station,
Paresh and accompanied him to the ceremony,
house in a taxi and reached the place in 18

min. If the speed of the taxi is 35km/hr. What is

the distance of the place from the station.



2. On Monday, I went to market cycling at a speed of 12 km/hr. But on Tuesday I went to market cycling at a speed of 15km/hr. If the distance between my house and market is 2 km, then let us find, on which day, I took less time to reach market. **3.** Keeping speed constant, let's find the relation between time and distance.

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4. I covered a distance of 12 km. in 40 min. in a

bus. Let's find the speed of the bus in km/hr.

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5. A train of length 100 m moving with a speed of 60 km/hr passes a tree. How long will it take to do so, let's calculate.



6. Moving an uniform speed of taxi takes 6 hrs. 12 min. to cover a distance of 217 km. Let calculate how much time it would take to cover a distance of 273 kkm.



7. Ayanda of our locality covered a distance of 100 km. in 2 hrs. 5min. on his motorbike. But shibuda covered the same distance on his cycle in 6hr. 40 min. Let's write the ratio fo speed.

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8. Moving with a uniform speed a railway wagon covers a distance of 49.5 km in 2 hr. 45

min. How long will it take to reach a station

situated at a distance of 58.5 km.



9. My uncle went to panchla on his motobike, worked these for an hour and returned home after 3 hrs.30 min. If he maintained an uniform speed of 40km per hour. Let us find the distance to Pancha from his home.



10. A bus left kolkata at 7 : 30 A.M. and without halting any where on its way reached digha at 12 noon. If the uniform speed of the bus is 45 km, an hour. Let us find the distance of Digha from Kolkata.

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11. A 70m long train runs at a speed of 75 km/hr. How long it would take to pass a platform of length of 105 metre.

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12. A 90m long train takes 25 sec. to pass a pole. Let us calculate the speed of train in km/hr.

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13. To pass a bridge of length 250m. a train of length 150m. took 30 sec. Let's calculate to find how long will this train take to pass a 130m. long platform.

14. A passenger in a train found that the train took 15 sec. to pass the platform. If the speed of train is 60 km. per hours, let us find the length of the platform.



15. A train take 4 sec. to pass a telegraph post and 20 sec. to pass a 26m. long bridge. Let us find the length of the train and also its speed.



16. A train passes two bridge of lengths 210 m.

and 122 m. in 25 sec. and 17 sec. respectively.

Let calculate the length and speed of the train.



17. A 100m. long train, remaining at a speed of

48 km/hr. passes a tunnel in 21 sec . Let's

calculate the length of the tunnel.



18. A train take 10 sec. to pass a man standing on the platform 150m. long and passes the platform in 22 sec. Let us calculate the length and speed of the train.



19. A goods train 250m. long is running at a speed of 33km/hr. Another mail train 200m long and running at a speed of 60 km/hr. It is

running in same direction on a different track and after meeting the goods train over passes it. Let us find how long will the mail train take to overpasses the goods train.

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