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## MATHS

## BOOKS - JNAN PUBLICATION

## TIME AND DISTANCE

Example

1. 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 $35 \mathrm{~km} / \mathrm{hr}$. What is the distance of the place from the station.

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2. On Monday, I went to market cycling at a speed of $12 \mathrm{~km} / \mathrm{hr}$. But on Tuesday I went to market cycling at a speed of $15 \mathrm{~km} / \mathrm{hr}$. 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 $\mathrm{km} / \mathrm{hr}$.
5. A train of length 100 m moving with a speed of $60 \mathrm{~km} / \mathrm{hr}$ passes a tree. How long will it take to do so, let's calculate.

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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. 5 min . on his motorbike. But shibuda covered the same distance on his cycle in 6 hr .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 .

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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 40 km per hour. Let us find the distance to Pancha from his home.

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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 70 m long train runs at a speed of 75 $\mathrm{km} / \mathrm{hr}$. How long it would take to pass a platform of length of 105 metre.
12. A 90 m 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 250 m . a train of length 150 m . took 30 sec . Let's calculate to find how long will this train take to pass a 130 m . long platform.

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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.

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

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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.

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17. A 100 m . long train, remaining at a speed of
$48 \mathrm{~km} / \mathrm{hr}$. passes a tunnel in 21 sec . Let's calculate the length of the tunnel.

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

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19. A goods train 250 m . long is running at a speed of $33 \mathrm{~km} / \mathrm{hr}$. Another mail train 200 m long and running at a speed of $60 \mathrm{~km} / \mathrm{hr}$. 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.
