

Time and Distance

1. Nishu is standing on a railway bridge which is 180 m long. He finds that a train crosses the bridge in 20 seconds but himself in 8 seconds. Find the speed of the train?

A. 35 kmph

B. 54 kmph

C. 62 kmph

D. 70 kmph

E. None of these

2. Two trains are running at 40 km/hr and 20 km/hr respectively in the same direction. Fast train completely passes a man sitting in the slower train in 5 seconds. What is the length of the fast train?

A. $27 \frac{7}{9}$ m

B. 28 m

C. 29 m

D. 30 217 m

E. None of these

3. Two trains of equal lengths take 10 seconds and 15 seconds respectively to cross a telegraph post. If the length of each train be 120 metres, in what time (in seconds) will they cross each other travelling in opposite direction?

A. 12 sec

B. 18 sec

C. 14 sec

D. 25 sec

E. None of these

4. A motor car starts with the speed of 70 km/hr with its speed increasing every two hours by 10 kmph. In how many hours will it cover 345 kms?

A.4 hrs

B.4 hrs 5 mins

C.4 1/2 hrs

D.2 hrs

E. None of these

5. The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels towards B at 60 km/hr. Another train starts from B at 9 a.m. and travels towards A at 75 km/hr. At what time do they meet?

A. 10:30 am

B. 10:45 am

C. 11 am

D. 11:25 am

E. None of these

6. A thief is noticed by a policeman from a distance of 200 m. The thief starts running and the policeman chases him. The thief and the policeman run at the rate of 10 km and 11 km per hour respectively. What is the distance between them after 6 minutes?

A. 100 m

B. 150 m

C. 190 m

D. 200 m

E. None of these

7. A thief is noticed by a policeman from a distance of 200 m. The thief starts running and the policeman chases him. The thief and the policeman run at the rate of 10 km and 11 km per hour respectively. What is the distance between them after 6 minutes?

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8. A train 250m long takes 30s to cross a man running at a speed of 6kmph in the direction opposite to that of train. What is the speed of the train?

A) 20kmph

C) 23kmph

B) 22kmph

D) 24kmph

9. A man cover a certain distance from houses to office if he travel at 30 km/hr, then he is late by 10 min but if he travel at 40 km/hr then he reaches his office 5 min earlier. Fund the distance from home to office?

A. 25

B. 30

C. 35

D. 40

10. A truck crosses a man moving along the road at 6 km/hr. The man could see the truck upto 2 min. Find the speed of truck, if at the time of disappearance the distance of truck to man is 1.2 km?

A. 36

B. 40

C. 42

D. 48