

PROBLEMS ON TRAINS

1. A train 110m in length runs through a station at the rate of 36 km per hour. How long will it take to pass a pole?
A. 11sec B. 12sec C. 13 sec D. 15sec
2. A train 540m long is running with a speed of 72kmph. In what time will it cross a Tunnel of length 160m?
A. 40sec B. 30sec C. 35sec D. 42 sec
3. A train 200m long is running with a speed of 72kmph. In what time will it pass a platform 160m long?
A. 18sec B.21sec C.15sec D.20sec
4. Two trains 70m and 80m long, run @68kmph and @40kmph respectively, on parallel rails in opposite directions. How long do they take to completely cross each other?
A.5sec B.10sec C.12sec D.6sec
5. A train 110m long travels at 60kmph. How long does it take to cross another train 170m long, running at 54kmph in the same direction?
A.2min40sec B.2min48sec C.3min48sec D.3min40sec
6. Two trains travel in the same direction at 56kmph and 29kmph respectively. The faster train passes a man sitting in the slower train in 16seconds. Find the length of the faster train.
A.100m B.120m C.124m D. 130m
7. A train running at 24kmph takes 30sec to cross a platform. Next, it takes 10 seconds to pass a man walking @12kmph in the opposite direction. Find the length of the train.
A.50m B.100m C.75m D.120m
8. Two trains are moving in the opposite directions at 30kmph and 24kmph. The faster train crosses a man sitting in the slower train in 6 seconds. Find the length of the faster train.
A.80m B.100m C.110m D.90m
9. A train running @35kmph takes 18sec to cross a platform. Next it takes 12 seconds to pass a man walking @5kmph in the same direction. Find the length of the train and that of the platform.
A.50m,75m B.100m,75m C.75m,25m D.85m,55m
10. A train running at 25kmph takes 18sec to pass a platform. Next it takes 10 seconds to pass a man walking @7kmph in the same direction. Find the length of the platform and that of the train.
A.25m,50m B.45m,85m C.75m,50m D.50m,80m

11. 250m long train crosses a platform of length 350m in 50sec. Find the time taken to cross a bridge of length 230m.
A.40s B.45s C.50s D.54s
12. 60m long train crosses a tunnel of length 40m in 10sec. Find the time taken by the train to cross a man standing on the platform of length 65m.
A.6sec B.8sec C.5sec D.4sec
13. Two trains start at the same time from Patna and Delhi and proceed towards each other at 60kmph and 40kmph respectively. When they meet, it is found that one train had travelled 20kms more than the other. Find the distance between Patna and Delhi.
A.100km B.80km C.120km D.150km
14. Two stations are 60km apart on a straight line. A train starts from A towards B at 20kmph. 3hrs later, another train starts from B towards A at 25kmph. When will the first train meet the other train?
A.1hr B.2hrs C.3hrs D.4hrs
15. Two trains with same length but different speeds pass a static pole in 5sec and 6sec respectively. In what time do they cross each other when they move in the same direction?
A.36sec B.30sec C.40sec D.42sec
16. If the speeds of two trains A and B are in the ratio 3:4. Both the trains take 3 seconds to cross a pole. In how much time will they cross each other, if they run in the opposite directions on parallel tracks?
A.1sec B.3sec C.5sec D.7sec
17. Train A crosses another train B in 30sec. The length of train B is 140% of the length of the train A. The speed of train A is 72kmph. What is the difference between the lengths of the two trains?
A.140m B.80m C.70m D.115m
18. A train running at $\frac{7}{11}$ of its original speed reached a place in 22hours. How much time could be saved if the train had run at its original speed?
A.14hrs B.7hrs C.8hrs D.16hrs
19. A carriage driving in a fog passed a man who was walking at 3kmph in the same direction. He could see the carriage for 4 mins and it was visible to him at a distance of 100m. What was the speed of the carriage?
A.4 $\frac{1}{2}$ km B.6 $\frac{1}{2}$ km C.4 $\frac{2}{3}$ km D.6 $\frac{2}{3}$ km
20. Suppose that Electric poles on a railway track are 50m apart. How many poles will be passed by a train in 4 hours if the speed of the train is 45kmph?
A.3500 B.3501 C.3600 D.3601