

1) A car can cover a certain distance in $4\frac{1}{2}$ hours. If the speed is increased by 5 km/hour, it would take $\frac{1}{2}$ hour less to cover the same distance. Find the slower speed of the car.

- a) 40 km/hour b) 45 km/hour
c) 60 km/hour d) 50 km/hour

2) If a train runs at 40 km/hour, it reaches its destination late by 11 minutes. But if it runs at 50 km/hour, it is late by 5 minutes only. The correct time (in minutes) for the train to complete the journey is

- a) 15 b) 19
c) 21 d) 13

3) When a person cycled at 10 km per hour he arrived at his office 6 minutes late. He arrived 6 minutes early, when he increased his speed by 2 km per hour. The distance of his office from the starting place is

- a) 7 km b) 12 km
c) 16 km d) 6 km

4) If a boy walks from his house to school at the rate of 4 km per hour, he reaches the school 10 minutes earlier than the scheduled time. However, if he walks at the rate of 3 km per hour, he reaches 10 minutes late. Find the distance of his school from his house.

- a) 4 km b) 6 km
c) 4.5 km d) 5 km

5) A man covered a certain distance at some speed. Had he moved 3 km per hour faster, he would have taken 40 minutes less. If he had moved 2 km per hour slower, he would have taken 40 minutes more. The distance (in km) is:

- a) 35 b) $36\frac{2}{3}$
c) 40 d) 20

6) A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 km/hr, the time taken by it to cover the same distance will be :

- a) 13 minutes 20 sec b) 13 minutes
c) 11 minutes 20 sec d) 10 minutes

7) A student goes to school at the rate of $2\frac{1}{2}$ km/h and reaches 6 minutes late. If he travels at the speed of 3 km/h. he is 10 minutes early. The distance (in km) between the school and his house is

- a) 4 b) 3
c) 1 d) 5

8) Walking at 5 km/hr a student reaches his school from his house 15 minutes early and walking at 3 km/hr he is late by 9 minutes. What is the distance between his school and his house ?

- a) 8 km b) 3 km
c) 2 km d) 5 km

9) A train covers a distance between station A and station B in 45 minutes. If the speed of the train is reduced by 5 km/hr, then the same distance is covered in 48 minutes. The distance between station A and B is

- a) 64 km b) 80 km
c) 55 km d) 60 km

10) If a train runs at 70 km/hour, it reaches its destination late by 12 minutes. But if it runs at 80 km/hour, it is late by 3 minutes. The correct time to cover the journey is

- a) 2 hours b) 1 hour
c) 59 minutes d) 58 minutes

11) A student rides on bicycle at 8 km/hour and reaches his school 2.5 minutes late. The next day he increases his speed to 10 km/hour and reaches school 5 minutes early. How far is the school from his house ?

- a) 8 km b) 5 km
c) 10 km d) $\frac{5}{8}$ km

12) Walking at a speed of 5 km/hr, a man reaches his office 6 minutes late. Walking at 6 km/hr, he reaches there 2 minutes early. The distance of his office is

- a) 4 km b) 3.5 km
c) 2 km d) 3 km

13) Shri X goes to his office by scooter at a speed of 30km/h and reaches 6 minutes earlier. If he goes at a speed of 24 km/h, he reaches 5 minutes late. The distance of his office is

- a) 21 km b) 22 km
c) 24 km d) 20 km

14) If a man walks 20 km at 5 km/ hr, he will be late by 40 minutes. If he walks at 8 km/hr, how early from the fixed time will he reach?

- a) 25 minutes b) 50 minutes
c) $1\frac{1}{2}$ hours d) 15 minutes

15) If a man reduces his speed to $\frac{2}{3}$, he takes 1 hour more in walking a certain distance. The time (in hours) to cover the distance with his normal speed is :

- a) 1 b) 3
c) 1.5 d) 2

16) A student walks from his house at a speed of $\frac{1}{2}$ km per hour and reaches his school 6 minutes late. The next day he increases his speed by 1 km per hour and reaches 6 minutes before school time. How far is the school from his house ?

- a) $\frac{7}{4}$ km b) $\frac{9}{4}$ km
c) $\frac{11}{4}$ km d) $\frac{5}{4}$ km

17) A boy is late by 9 minutes if he walks to school at a speed of 4 km/hour. If he walks at the rate of 5 km/hour, he arrives 9 minutes early. The distance to his school is

- a) 5 km b) 4 km

- c) 6 km d) 9 km

18) A train travelling at a speed of 55 km/hr travels from place X to place Y in 4 hours. If its speed is increased by 5 km/hr., then the time of journey is reduced by

- a) 35 minutes b) 20 minutes
c) 30 minutes d) 25 minutes