1. Express a speed of 30 m/s in km/h.
(a) 100 km/h   (b) 120 km/h
(c) 110 km/h   **(d) 108 km/h**

2. Aditya covers 200 km in 25 h. Find the speed of Aditya.
(a) 10 km/h   **(b) 8 km/h**
(c) 12 km/h   (d) None of these

3. A motorcycle travelled 1000 m at 36 km/h. Find the time (in seconds) taken by the motorcycle to cover this distance.
[RRB ALP 2019]
(a) 100   (b) 400
(c) 300   (d) 200

4. An aeroplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 h?   **[RRB ALP 2018]**
(a) 895   **(b) 900**
(c) 880   (d) 850

5. A bus moving at 40 km/h covers a distance in 6 h 15 min. If it travels the same distance at 50 km/h, how long will it take to cover the distance?   **[SSC CPO 2018]**
(a) 4 h   (b) 2 h
(c) 5 h   (d) 6 h

6. A, B and C go on a trip by a car. A drives during the first hour at an average speed of 50 km/h. B drives during the next 2 h at an average speed of 48 km/h. C drives for the next 3 h at an average speed of 52 km/h. They reached their destination after exactly 6 h. Their average speed was
(a) 50 km/h   **(b) $50\frac{1}{3}$ km/h**
(c) $51\frac{1}{3}$ km/h   (d) 52 km/h

7. A person travels from P to Q at a speed of 40 km/h and returns at a speed of 60 km/h. What is his average speed for both the trips?
(a) 36 km/h   (b) 45 km/h
(c) 48 km/h   (d) 50 km/h

8. Pranav walked at 5 km/h for certain part of the journey and then he took an auto for the remaining part of the journey travelling at 25 km/h. If he took 10 h for the entire journey, what part of journey did he travel by auto if the average speed of the entire journey be 17 km/h?
[IB Security Assist. 2017]
(a) 750 km   (b) 100 km
(c) 150 km   (d) 200 km

9. If a man covers 1/4 th part of his journey at 5 km/h, 1/5 of this journey at 10 km/h and remaining journey at 15 km/h, then what will be the average speed of the man?
(a) $7\frac{3}{8}$ (b) $9\frac{3}{8}$
(c) $8\frac{8}{3}$ (d) $9\frac{3}{7}$

10. A boy goes to school with a speed of 2 km/h and returns with a speed of 3 km/h. If he takes 2 h 30 min to go to school and return, then what is the distance between his school and home?**[MP Patwari 2017]**
(a) 6 km   (b) 5 km
(c) 4 km   **(d) 3 km**

11. A and Bare at a distance of 1.7 km apart and they start running towards each other at a speed of 8 m/s and 9 m/s, respectively. After how much time, will they meet each other?   **[SSC CPO 2019]**
(a) 1 min 40 s   (b) 1 min 4 s
(c) 14 min   (d) 14 s

12. If a boy walks from his house to school at the rate of 4 km/h, he reaches the school 10 min earlier than the scheduled time. However, if he walks at the rate of 3 km/h, he reaches 10 min late. Find the distance of his school from his house.

                              [SSC CGL 2013]

(a) 5 km   **(b) 4 km**
(c) 6 km   (d) 4.5 km

13. A thief steals a car at 2:30 pm and drives it at 60 km/h. Theft is discovered at 3 pm and the owner sets off another car at 75 km/h. When will he catch the thief?
(a) 4 pm   (b) 4:30 pm
(c) 5 pm   (d) 5:30 pm

14. A policeman runs to catch a thief spotted at a distance of 200 m. If the thief can cover the distance of 1 km in 10 min and policeman can cover the same distance in 8 min, then find the distance travelled by thief before he caught.
(a) 600 m   **(b) 800 m**
(c) 400 m   (d) 1000 m

15. Piyush is running at the speed of 8 km/h and he stops for 5 min to take rest at the end of every 3rd km. What will be the time taken by Piyush to cover a distance of 56 km?   **[SSC Constable 2019]**
(a) 7 h   (b) 8 h 20 min
(c) 8h   **(d) 8 h 30 min**

16. Without stoppage, the speed of a bus is 54 km/h and with stoppage, it is 45 km/h. For how many minutes, does the bus stop per hour?
(a) 15 min   (b) 9 min
(c) 10 min   (d) 6 min

17. A man walking with 3/4 of his usual speed, reaches office 20 min late. His usual time is   **[SSC MTS 2013]**
(a) 50 min   (b) 80 min
(c) 70 min   **(d) 60 min**
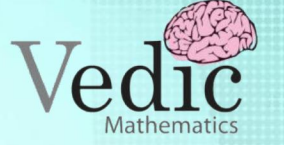
18. Two buses set out from two stations A and B, one from station A towards B and other from station B towards A. After passing each other, they complete their journey in 49 h and 36 h respectively. What is the ratio of speed of both buses?

(a) 3 : 4

(b) 7 : 6

(c) 6 : 7

(d) 4 : 3