

TIME AND DISTANCE CLASSROOM ASSIGNMENT -1

1. A man travels 240 km at a speed of 60 km/h. How much time does he take?

- A) 3 hours B) 4 hours
C) 5 hours
D) 6 hours

2. A car covers 150 km in 2 hours 30 minutes. What is its average speed?

- A) 50 km/h B) 55 km/h
C) 60 km/h D) 65 km/h

3. A train running at 72 km/h covers a distance in 25 seconds. What is the distance covered?

- A) 400 m B) 450 m
C) 500 m D) 550 m

4. A person walks at 6 km/h and reaches his destination in 40 minutes. What is the distance?

- A) 3 km B) 4 km
C) 5 km D) 6 km

5. A car increases its speed from 40 km/h to 60 km/h. For the same distance, the time taken is reduced by 30 minutes. What is the distance?

- A) 50 km B) 60 km
C) 70 km D) 80 km

6. A train 180 m long is running at 54 km/h. How long will it take to cross a pole?

- A) 10 seconds B) 12 seconds
C) 15 seconds D) 18 seconds

7. Two cars start from the same point in opposite directions at 45 km/h and 55 km/h. How far apart will they be after 3 hours?

- A) 200 km B) 250 km
C) 300 km D) 350 km

8. A man travels half of a distance at 40 km/h and the remaining half at 60 km/h. What is his average speed?

- A) 45 km/h B) 48 km/h
C) 50 km/h D) 52 km/h

9. A train travels 360 km in 5 hours. If its speed is increased by 12 km/h, how much time will it take to cover the same distance?

- A) 4 hours B) 4 hours 10 minutes
C) 4 hours 20 minutes
D) 4 hours 30 minutes

10. A cyclist covers a distance at 12 km/h in 5 hours. At what speed should he travel to cover the same distance in 4 hours?

- A) 14 km/h B) 15 km/h
C) 16 km/h D) 18 km/h

11. A train 200 m long crosses a 300 m platform in 25 seconds. What is the speed of the train?

- A) 60 km/h B) 72 km/h
C) 80 km/h D) 90 km/h

12. Two trains of lengths 150 m and 250 m are moving in opposite directions at 54 km/h and 36 km/h. How long will they take to cross each other?

- A) 12 seconds B) 14 seconds
C) 16 seconds D) 18 seconds

13. A bus travels 180 km at 45 km/h and returns at 60 km/h. What is the average speed for the entire journey?

- A) 50 km/h B) 51.43 km/h
C) 52 km/h D) 54 km/h

14. A man is late by 20 minutes if he travels at 5 km/h and is early by 10 minutes if he travels at 6 km/h. What is the distance?

- A) 12 km B) 15 km
C) 18 km D) 20 km

15. A train moving at 90 km/h crosses a man standing on a platform in 8 seconds. What is the length of the train?

- A) 180 m B) 200 m
C) 220 m D) 240 m

16. A person travels from A to B at 30 km/h and returns from B to A at 20 km/h. If the total journey takes 5 hours, what is the distance between A and B?

- A) 50 km B) 55 km
C) 60 km D) 75 km

17. A train 120 m long crosses another train 180 m long in 10 seconds while moving in opposite directions. If the first train travels at 36 km/h, what is the speed of the second train?

- A) 72 km/h B) 90 km/h
C) 96 km/h D) 108 km/h

18. A car covers a certain distance at 50 km/h in 6 hours. By how much should its speed be increased to cover the same distance in 5 hours?

- A) 5 km/h B) 10 km/h
C) 15 km/h D) 20 km/h

19. A person walks at 4 km/h and reaches office 15 minutes late. If he walks at 5 km/h, he reaches 9 minutes early. What is the distance to the office?

- A) 6 km B) 7 km
C) 8 km D) 10 km

20. A train running at 72 km/h crosses a bridge in 30 seconds. If the train is 300 m long, what is the length of the bridge?

- A) 250 m B) 300 m
C) 350 m D) 400 m