

1. A tractor can complete its journey in 10 hours at a speed of 36 km/hr. If the same distance is to be covered in 8 hours, what should be the speed of the tractor?

- A) 45 km/hr
- B) 50 km/hr
- C) 55 km/hr
- D) 60 km/hr

2. Kiran swims in a 90 m long pool. She covers 360 m in two minutes by swimming from one end to the other and back along the same straight path, twice. Find the average speed of Kiran.

- A) 3 m/s
- B) 4 m/s
- C) 5 m/s
- D) 6 m/s

3. A student covers a distance of 420 km in 7 hours. He covered some time at 75 km/hr and the rest at 55 km/hr. For how much time did he cover the distance at high speed?

- A) 1 hour 15 minutes
- B) 1 hour 25 minutes
- C) 1 hour 35 minutes
- D) 1 hour 45 minutes

4. An object travels 10 m in 4 seconds and then another 14 m in 2 seconds. What is the average speed of the object?

- A) 2 m/s
- B) 4 m/s
- C) 4.5 m/s
- D) 6 m/s

5. Walking at the speed of 10 km/hr, Madhu reached her university 15 minutes late. Next time she increases her speed by 2 km/hr, but still she reaches 5 minutes late. What is the distance of the university from her home?

- A) 10 km
- B) 15 km
- C) 20 km
- D) 30 km

6. If the average speed of two cars is 15 km/hr and the first car's average speed is 20 km/hr, what is the average speed of the second car?

- A) 11 km/hr
- B) 12 km/hr
- C) 13 km/hr
- D) 14 km/hr

7. A man traveled four equal distances of 5 km at speeds of 10, 20, 30, and 40 km/hr respectively. What is his average speed?

- A) 14 km/hr
- B) 16.8 km/hr
- C) 19.2 km/hr
- D) 22.8 km/hr

8. If a person had walked at a speed of 15 km/hr instead of 10 km/hr, he would have walked 30 km more in the same time. The actual distance travelled by him was:

- A) 45 km
- B) 50 km
- C) 60 km
- D) 65 km

9. A boat goes 20 km upstream and 44 km downstream in 8 hours. In 5 hours, it goes 15 km upstream and 22 km downstream. Determine the speed of the boat in still water.

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

10. Two trains, one 152.5 m long and the other 157.5 m long, coming from opposite directions crossed each other in 9.3 seconds. The combined speed of the two trains every hour would then be:

bash

Copy code

- A) 115 km/hr
- B) 120 km/hr

C) 125 km/hr

D) 130 km/hr

11. A thief committed a crime and escaped from the spot at a speed of 12 m/h. A security guard started chasing him 20 minutes after the thief started running and caught him in the next 20 minutes. What is the speed of the security guard?

bash

Copy code

A) 24 m/h

B) 30 m/h

C) 32 m/h

D) 36 m/h

12. A car travelled distances of 10 km, 20 km, and 30 km at speeds of 30 km/h, 40 km/h, and 60 km/h, respectively. The average speed of the car is:

bash

Copy code

A) 36 km/h

B) 40 km/h

C) 45 km/h

D) 50 km/h

13. A train 150 meters long passes a pole in 15 seconds. What is the speed of the train in km/hr?

bash

Copy code

A) 30 km/hr

B) 36 km/hr

C) 45 km/hr

D) 54 km/hr

14. A man can row upstream at 6 km/hr and downstream at 12 km/hr. What is the speed of the man in still water?

bash

Copy code

A) 7 km/hr

B) 8 km/hr

C) 9 km/hr

D) 10 km/hr

15. A car covers a distance of 540 km in 9 hours. What is the speed of the car?

bash

Copy code

A) 50 km/hr

B) 55 km/hr

C) 60 km/hr

D) 65 km/hr

16. A person crosses a 600 m long street in 5 minutes. What is his speed in km/hr?

bash

Copy code

A) 6.2 km/hr

B) 7.2 km/hr

C) 8.2 km/hr

D) 9.2 km/hr

17. A train moves at a speed of 90 km/hr. How many meters will it cover in 15 minutes?

css

Copy code

A) 22500 m

B) 2250 m

C) 13500 m

D) 1350 m

18. A man walking at a speed of 5 km/hr reaches his office 10 minutes late. If he increases his speed by 1 km/hr, he reaches on time. What is the distance to his office?

css

Copy code

A) 4 km

B) 5 km

C) 6 km

D) 7 km

19. A train 100 meters long is running at a speed of 30 km/hr. In what time will it pass a man standing near the railway line?

css

Copy code

A) 10 seconds

B) 12 seconds

C) 14 seconds

D) 16 seconds

20. A car travels 25 km at a speed of 50 km/hr and the next 25 km at a speed of 25 km/hr. What is the average speed of the car for the entire journey?

bash

Copy code

A) 30 km/hr

B) 33.33 km/hr

C) 35 km/hr

D)