

Time Speed and distance QUESTIONS

1) A car moves at the speed of 80 km/hr. what is the speed of the Car in metres per second ?

- >8 m/sec
- >20(1/9) m/sec
- >22(2/9) m/sec
- >None of these

Answer:

>22(2/9) m/sec

2) An athlete runs 200 metres race in 24 seconds. His speed is:

- >20 km/hr
- >24 km/hr
- >28.5 km/hr
- >30 km/hr

Answer:

>30 km/hr

3) A person crosses a 600 m/long street in 5 minutes. What is his speed in km. per hour ?

- >3.6
- >7.2
- >8.4
- >10

Answer:

>7.2

4) A man walking at the rate of 5 km/hr crosses a bridge in 15 minutes. The length of the bridge (in metres) is :

- >600
- >750
- >1000
- >1250

Answer:
>1250

5) How long will a boy take to run round a square field of side 35 metres, if he runs at the rate of 9 km/hr ?

- >50 sec.
- >52 sec.
- >54 sec.
- >56 sec.

Answer:
>56 sec.

6) A car is running at a speed of 108 kmph. What distance will it cover in 15 seconds ?

- >45 metres
- >55 metres
- >450 metres
- >cannot be determined
- >None of these

Answer:
>450 metres

7) One of the two buses completes a journey of 300 km in 7(1/2) hours and the other a journey 450 km in 9 hours. The ratio of their average speeds is:

- >2:3
- >3:4
- >4:5
- >8:9

Answer:
>4:5

8) A truck covers a distance of 550 metres in 1 minute whereas a bus covers a distance of 33 kms in 45 minutes. The ratio of their speeds is:

- >3:4
- >4:3
- >3:5
- >50:3

Answer:

>3:4

9) The ratio between the speeds of two trains is 7:8. If the second train runs 400 kms in 4 hours, then the speed of the first train is:

- >70 km/hr
- >75 km/hr
- >84 km/hr
- >87.5 km/hr

Answer:

>70 km/hr

10) A train travels at an average of 50 miles per hour for 2(1/2) hours and then travels at a speed of 70 miles per hour for 1(1/2) hours. How far did the train travel in the entire 4 hours.

- >120 miles
- >150 miles
- >200 miles
- >230 miles

Answer:

>230 miles

11) A runs twice as fast as B and B runs thrice as fast as C. The distance covered by C in 72 minutes, will be covered by A in

- >18 minutes
- >24 minutes
- >16 minutes
- >12 minutes

Answer:

>12 minutes

12) The scale of a map is given as 1 : 4 x 10⁵. If the distance between two points in the map is 4 cm, what is the actual distance between the two points ?

- >16 cm
- >16 km
- >4 km

Answer:

>16 km

13) In a race of 1000 m, A can beat B by 100m. In a race of 400 m, B beats C by 40m. In a race of 500m. A will beat C by

- >95m
- >50m
- >45m
- >60m

Answer:

- >95m
-

14) A motorboat in still water travels at a speed of 36 kmph. It goes 56 km upstream in 1 hour 45 min-utes. The time taken by it to cover the same dis-tance down the stream will be

- >2 hours 25 minutes
- >3 hours
- >1 hour 24 minutes
- >2 hours 21 minutes

Answer:

- >1 hour 24 minutes
-

15) A man completes 30 km of a journey at the speed of 6 km/hr and the remaining 40 km of the jour-ney in 5 hours. His average speed for the whole journey is

- >7 km/hr
- >6[4/11]km/hr
- >8 km/hr
- >7.5 km/hr

Answer:

- >7 km/hr
-

16) A man completed a certain journey by a car. If he covered 30% of the distance at the speed of 20kmil hr, 60% of the distance at 40km/hr and the re. maining distance at 10km/hr; his average speed for the whole journey was

- >25 km/hr
- >28 km/hr
- >30 km/hr
- >33 km/hr

Answer:

- >25 km/hr
-

17) 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 ?

- >5/80km
- >8 km
- >5 km
- >10 km

Answer:

>5 km

18) An athlete runs 200 metres race in 24 seconds. His speed (in km/hr) is

- >20
- >24
- >28.5
- >30

Answer:

>30

19) If A travels to his school from his house at the speed of 3 km/hr, then he reaches the school 5 minutes late. If he travels at the speed of 4 km/ hr, he reaches the school 5 minutes earlier than school time. The distance of his school from his house is

- >1 km
- >2 km
- >3 km
- >4 km

Answer:

>2 km

20) A man walks from one place to another at a speed of 5 km/hr and returns to the starting place at a speed of 3 km/hr. His average speed for the whole journey is

- >4.5 km/hr
- >4 km/hr
- >4.25 km/hr
- >3.75 km/hr

Answer:

>3.75 km/hr

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