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1. A car covers its journey at the speed of 80km/hr in 10hours. If the same distance is to be covered in 4 hours, by how much the speed of car will have to increase ?

- A. 40km/hr
- B. 60km/hr
- C. 90km/hr
- D. 120km/hr

Answer: D

2. two cars A and B are running in the same direction. Car A has already covered a distance of 60kms when car B started running. The cars meet each other in 3 hours after car B started running.

What was

- A. 20km/hr
- B. 30km/hr
- C. 15km/hr
- D. None of these

Answer: D

3. Walking $\frac{3}{4}$ th of his usual rate, a man is 15min late. Find his usual time in minutes

- A. 30
- B. 35
- C. 45
- D. 25

Answer: C

4. A monkey climbs up a greased pole, ascends 20m and slip 4m in alternate minutes. If the pole is 96m high, how many minutes will it take to reach the top?

- A. $54\frac{4}{5}$
- B. 12
- C. $44\frac{4}{5}$
- D. 9

Answer: A

5. A car is running at $\frac{7}{10}$ of its own speed reached a place in 22 hours. How much time could be saved if the train would run at its own speed ?

- A. 4hours
- B. 6hours
- C. 7hours
- D. 8hours

Answer: D

6. A man crosses a road 250m wide in 75 seconds. His speed in km/hr is

- A. 12
- B. 14

C. 10

D. 8

Answer: A

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

A. 10

B. 20

C. 30

D. 15

Answer: C

8. A thief steals a car at 2.30pm and drives it at 60km/hr. The theft is discovered at 3pm and the owner sets off in another car at 75km/hr. When will he overtake the thief?

A. 7pm

B. 6pm

C. 5pm

D. 4pm

Answer: C

9. A bus running at the average speed of 60km/hr reaches from place A to B in 3hours 15min. What is the distance between place A and B?

A. 150kms

B. 185kms

C. 195kms

D. 205kms

Answer: C

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

A. 5km

B. 6km

C. 4km

D. 8km

Answer: A

11. With a uniform speed, a car covers the distance in 8 hours. Had the speed been increased by 4km/hr, the same distance could have been covered in $15\frac{1}{2}$ hours. What is the distance covered?

- A. 600km
- B. 400km
- C. 520km
- D. 480km

Answer: D

12. The speeds of A and B are in the ratio 3 : 4. A takes 20min more than B to reach a destination. In what time does A reach the destination ?

- A. $\frac{4}{3}$ hours
- B. 3hours
- C. 2hours
- D. $\frac{5}{3}$ hours

Answer: A

13. A car covers a distance of 816kms in 12 hours. What is the speed of the car?

- A. 62km
- B. 58km
- C. 68km
- D. 52km

Answer: C

14. Raman drives from home to a neighbouring town at a speed of 50km/hr and on his returning journey. He drove at a speed of 45km/hr and also took an hour longer to reach home. what distance did he cover

- A. 450km
- B. 400km
- C. 350km
- D. 500km

Answer: A

15. A man takes 6 hours and 35 minutes in walking to a certain place and riding back. He would have taken 2 hours less by riding both ways. What would be the time he would take to both ways ?

- A. 4hours and 35 minutes
- B. 8hours and 35minutes
- C. 10hours
- D. 8hours and 45minutes

Answer: B

16. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They start the work

together but C leaves 4 days before the completion of the work. In how many days is the work done?

- A. 15 days
- B. 14 days
- C. 13 days
- D. 11 days

Answer: D

17. Express a speed of 36 kmph in meters per second?

- A. 10 mps
- B. 12 mps
- C. 14 mps
- D. 17 mps

Answer: A

18. Express 25 mps in kmph?

- A. 15 kmph
- B. 99 kmph
- C. 90 kmph
- D. None

Answer: C

19. A car covers a distance of 624 km in $6\frac{1}{2}$ hours. Find its speed?

- A. 104 kmph
- B. 140 kmph
- C. 104 mph
- D. 10.4 kmph

Answer: A

20. In what time will a railway train 60 m long moving at the rate of 36 kmph pass a telegraph post on its way?

- A. 9 sec
- B. 8 sec
- C. 7 sec
- D. 6 sec

Answer: D

21. A train 240 m in length crosses a telegraph post in 16 seconds. The speed of the train is?

- A. 50 kmph
- B. 52 kmph
- C. 54 kmph
- D. 56 kmph

Answer: C

22. The speed of a car is 90 km in the first hour and 60 km in the second hour. What is the average speed of the car?

- A. 72 kmph
- B. 75 kmph
- C. 30 kmph
- D. 80 kmph

Answer: B

23. Walking with $\frac{4}{5}$ of my usual speed, I miss the bus by 5 minutes. What is my usual time?

- A. 35 min
- B. 30 min
- C. 25 min
- D. 20 min

Answer: D

24. If a man walks to his office at $\frac{3}{4}$ of his usual rate, he reaches office $\frac{1}{3}$ of an hour late than usual. What is his usual time to reach office?

- A. 1 hour
- B. 2 hour
- C. 3 hour
- D. 4 hour

Answer: A

25. Walking $\frac{7}{6}$ of his usual rate, a boy reaches his school 4 min early. Find his usual time to reach the school?

- A. 25 min
- B. 26 min
- C. 27 min
- D. 28 min

Answer: D

26. Two cars cover the same distance at the speed of 60 and 64 kmph respectively. Find the distance traveled by them if the slower car takes 1 hour more than the faster car.

- A. 906 km
- B. 960 m
- C. 960 km
- D. 960 km



Answer: C

27. A man leaves a point P at 6 a.m. and reaches the point Q at 10 a.m. another man leaves the point Q at 8 a.m. and reaches the point P at 12 noon. At what time do they meet?

- A. 8 a.m.
- B. 8 p.m.
- C. 9 a.m.
- D. 9 p.m.

Answer: C

28. A thief goes away with a SANTRO car at a speed of 40 kmph. The theft has been discovered after half an hour and the owner sets off in a bike at 50 kmph when will the owner over take the thief from the

- A. 2 hours
- B. 2 hours 45 min
- C. 2 hours 30 min
- D. 2 hours 50 min

Answer: A

29. If I walk at 3 kmph, I miss the train by 2 min, if however, I walk at 4 kmph. I reach the station 2 min before the arrival of the train. How far do I walk to reach the station?

- A. $\frac{4}{5}$ km
- B. $\frac{5}{4}$ km
- C. $\frac{6}{5}$ km
- D. $\frac{3}{4}$ km

Answer: A

30. Two trains each 250 m in length are running on the same parallel lines in opposite directions with the speed of 80 kmph and 70 kmph respectively. In what time will they cross each other completely?

- A. 10 sec
- B. 11 sec
- C. 12 sec
- D. 14 sec

Answer: C

31. Two trains of equal length, running with the speeds of 60 and 40 kmph, take 50 seconds to cross each other while they are running in the same direction. What time will they take to cross each other

if

- A. 10 sec
- B. 9 sec
- C. 8 sec
- D. 7 sec

Answer: A

32. If a train, travelling at a speed of 90 kmph, crosses a pole in 5 sec, then the length of train is?

- A. 104 m
- B. 125 m
- C. 140 m
- D. 152 m

Answer: B

33. A train 100 meters long completely crosses a 300 meters long bridge in 45 seconds. What is the speed of the train is?

- A. 32 kmph
- B. 36 kmph
- C. 40 kmph
- D. 48 kmph

Answer: A

34. A 180 meter long train crosses a man standing on the platform in 6 sec. What is the speed of the train?

- A. 90 kmph
- B. 108 kmph
- C. 120 kmph
- D. 88 kmph

Answer: B

35. Excluding stoppages, the speed of a train is 45 kmph and including stoppages it is 36 kmph. Of how many minutes does the train stop per hour?

- A. 10 min
- B. 11 min
- C. 12 min
- D. 13 min

Answer: C

36. One train is traveling 45 kmph and other is at 10 meters a second. Ratio of the speed of the two

51. Two trains are moving at 50 kmph and 70 kmph in opposite directions. Their lengths are 150 m and 100 m respectively. The time they will take to pass each other completely is?

- A. 3 sec
B. $4\frac{1}{2}$ sec
C. 5 sec
D. $7\frac{1}{2}$ sec

Answer: D

52. A train 100 m long crosses a platform 125 m long in 15 sec; find the speed of the train?

- A. 45 kmph
B. 50 kmph
C. 54 kmph
D. 60 kmph

Answer: C

53. A train 150 m long running at 72 kmph crosses a platform in 25 sec. What is the length of the platform?

- A. 300 m
B. 500 m
C. 350 m
D. 250 m

Answer: C

54. What distance will be covered by a bus moving at 72 kmph in 30 seconds?

- A. 250 m
B. 600 m
C. 750 m
D. 400 m

Answer: B

55. In how much time will a train of length 100 m, moving at 36 kmph cross an electric pole?

- A. 22 sec
B. 15 sec
C. 18 sec
D. 10 sec

Answer: D

56. A man goes from A to B at a speed of 20 kmph and comes back to A at a speed of 30 kmph. Find his average speed for the entire journey?

- A. 20 kmph
C. 50 kmph
- B. 24 kmph
D. 35 kmph

Answer: B

57. Two trains of length 100 m and 200 m are 100 m apart. They start moving towards each other on parallel tracks, at speeds 54 kmph and 72 kmph. In how much time will the trains cross each other?
- A. $57/7$ sec
C. $20/7$ sec
- B. $80/7$ sec
D. $60/7$ sec

Answer: B

58. Two trains are moving in the same direction at 72 kmph and 36 kmph. The faster train crosses a man in the slower train in 27 seconds. Find the length of the faster train?
- A. 270 m
C. 280 m
- B. 250 m
D. 220 m

Answer: A

59. Two trains of length 120 m and 280 m are running towards each other on parallel lines at 42 kmph and 30 kmph respectively. In what time will they be clear of each other from the moment they meet?
- A. 14 sec
C. 17 sec
- B. 21 sec
D. 20 sec

Answer: D

60. Convert the $13/36$ m/s into kilometers per hour?
- A. 1.5
C. 1.3
- B. 1.2
D. 1.4

Answer: A

61. If a man can cover 12 metres in one second, how many kilometres can he cover in 3 hours 45

minutes?

- A. 168
C. 150
B. 162
D. 156

Answer: B

62. A person takes 20 minutes more to cover a certain distance by decreasing his speed by 20%. What is the time taken to cover the distance at his original speed?

- A. 1 hour 30 minutes
C. 1 hour 20 minutes
B. 1 hour 15 minutes
D. 2 hours

Answer: C

63. Kiran travels from A to B by car and returns from B to A by cycle in 7 hours. If he travels both ways by car he saves 3 hours. What is the time taken to cover both ways by cycle?

- A. 10 hours
C. 14 hours
B. 13 hours
D. 12 hours

Answer: A

64. A man walks at a speed of 3 km/hr and runs at a speed of 7 km/hr. How much time will the man require to cover a distance of $10\frac{1}{2}$ km, if he completes half of the distance, i.e., $(5\frac{1}{4})$ km on foot an

- A. $1\frac{3}{4}$ hrs
C. 2 hrs
B. $2\frac{1}{4}$ hrs
D. None of these

Answer: D

65. Pavan travelled for 11 hours. He covered the first half of the distance at 30 kmph and remaining half of the distance at 25 kmph. Find the distance travelled by Pavan.

- A. 240 km
C. 260 km
B. 280 km
D. 300 km

Answer: A

66. A train covered x km at 40 kmph and another $2x$ km at 20 kmph. Find the average speed of the train in covering the entire $3x$ km.



- A. 30 kmph
- C. 24 kmph
- B. 25 kmph
- D. 28 kmph

Answer: C

67. Murali travelled from city A to city B at a speed of 40 kmph and from city B to city C at 60 kmph. What is the average speed of Murali from A to C given that the ratio of distances between A to B and
- A. 48 kmph
 - C. 52 kmph
 - B. 50 kmph
 - D. 56 kmph

Answer: B

68. A person covered one-fourth of the total distance at 26 kmph and remaining distance at 24 kmph. What is the average speed for the total distance?
- A. $21\frac{2}{3}$ kmph
 - C. $22\frac{1}{3}$ kmph
 - B. $21\frac{1}{3}$ kmph
 - D. $22\frac{2}{3}$ kmph

Answer: B

69. A man misses a bus by 40 minutes if he travels at 30 kmph. If he travels at 40 kmph, then also he misses the bus by 10 minutes. What is the minimum speed required to catch the bus on time?
- A. 48 kmph
 - C. 43 kmph
 - B. 45 kmph
 - D. 44 kmph

Answer: B

70. Ramu rides his bike at an average speed of 45 km/hr and reaches his destination in four hours. Somu covers the same distance in six hours. If Ramu covered his journey at an average speed which was 9
- A. 36
 - C. 40
 - B. 30
 - D. 45

Answer: B

71. Amar takes as much time in running 18 meters as a car takes in covering 48 meters. What will be the distance covered by Amar during the time the car covers 1.6 km?

- A. 800 m
- B. 480 m
- C. 520 m
- D. 600 m

Answer: D

72. A car started running at a speed of 30 km/hr and the speed of the car was increased by 2 km/hr at the end of every hour. Find the total distance covered by the car in the first 10 hours of the journey

- A. 380 km
- B. 390 km
- C. 400 km
- D. 410 km

Answer: B

73. Train P crosses a pole in 30 seconds and train Q crosses the same pole in one minute and 15 seconds. The length of train P is three-fourths the length of train Q. What is the ratio of the speed of tra

- A. 15 : 8
- B. 8 : 15
- C. 5 : 3
- D. 3 : 5

Answer: A

74. By travelling at 40 kmph, a person reaches his destination on time. He covered two-third the total distance in one-third of the total time. What speed should he maintain for the remaining distance to

- A. 20 kmph
- B. 30 kmph
- C. 25 kmph
- D. 15 kmph

Answer: A

75. Roja and Pooja start moving in the opposite directions from a pole. They are moving at the speeds of 2 km/hr and 3 km/hr respectively. After 4 hours what will be the distance between them?

- A. 12 km
- B. 20 km
- C. 24 km
- D. 4 km

Answer: B

76. A train leaves Mumbai at 9 am at a speed of 40 kmph. After one hour, another train leaves Mumbai in the same direction as that of the first train at a speed of 50 kmph. When and at what distance from

- A. 1:00pm, 220 km B. 1:00pm, 200km
C. 2:00pm, 200 km D. 2:00pm, 220 km

Answer: C

77. Two trains of equal lengths are running at speeds of 30 kmph and 60 kmph. The two trains crossed each other in 30 seconds when travelling in opposite direction. In what time will they cross each other

- A. 90 sec B. 75 sec
C. 85 sec D. 80 sec

Answer: A

78. A train running at a speed of 36 kmph crosses an electric pole in 12 seconds. In how much time will it cross a 350 m long platform?

- A. 44 sec B. 49 sec
C. 42 sec D. 47 sec

Answer: D

79. Excluding stoppages, the average speed of a bus is 60 km/hr and including stoppages, the average speed of the bus is 40 km/hr. For how many minutes does the bus stop per hour?

- A. 10 B. 12.5
C. 15 D. 20

Answer: D

80. Train X crosses a stationary train Y in 60 seconds and a pole in 25 seconds with the same speed. The length of the train X is 300 m. What is the length of the stationary train Y?

- A. 320 m
- B. 420 m
- C. 300 m
- D. 360 m

Answer: B

81. In a 1000 m race, A beats B by 50 m and B beats C by 100 m. In the same race, by how many meters does A beat C?

- A. 145
- B. 150
- C. 155
- D. 160

Answer: A

82. In a 1000 m race, A beats B by 200 meters or 25 seconds. Find the speed of B?

- A. 8 m/s
- B. 25 m/s
- C. 10 m/s
- D. 15 m/s

Answer: A

83. Two persons start running simultaneously around a circular track of length 300 m from the same point at speeds of 15 km/hr and 25 km/hr. When will they meet for the first time any where on the track i

- A. 21 sec
- B. 24 sec
- C. 25 sec
- D. 27 sec

Answer: D

84. A and B go around a circular track of length 600 m on a cycle at speeds of 36 kmph and 54 kmph. After how much time will they meet for the first time at the starting point?

- A. 120 sec
- B. 150 sec
- C. 140 sec
- D. 130 sec

Answer: A

85. An express traveled at an average speed of 100 km/hr, stopping for 3 min after every 75 kn. How



long did it take to reach its destination 600 km from the starting point?

- A. 6 hrs 21 min
- B. 6 hrs 24 min
- C. 6 hrs 27 min
- D. 6 hrs 30 min

Answer: A

86. Anna left for city A from city B at 5.20 a.m. She traveled at the speed of 80 km/hr for 2 hrs 15 min. After that the speed was reduced to 60 km/hr. If the distance between two cities is 350 kms, at wh

- A. 9.20 a.m
- B. 9.25 a.m
- C. 9.35 a.m
- D. None of these

Answer: D

87. A man complete a journey in 10 hrs. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km?

- A. 220 km
- B. 224 km
- C. 230 km
- D. 234 km

Answer: B

88. A person travels equal distances with speeds of 3 km/hr, 4 km/hr and 5 km/hr and takes a total time of 47 minutes. The total distance is?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: B

89. A is faster than B. A and B each walk 24 km. The sum of their speeds is 7 km/hr and the sum of times taken by them is 14 hours. Then, A's speed is equal to?

- A. 3 km/hr
- B. 4 km/hr
- C. 5 km/hr
- D. 7 km/hr

Answer: B

90. A person travels from P to Q a speed of 40 km/hr and returns by increasing his speed by 50%. What is his average speed for both the trips?

GKINDIA

- A. 36 km/hr
- B. 45 km/hr
- C. 48 km/hr
- D. 50 km/hr

Answer: C

91. A boy goes to his school from his house at a speed of 3 km/hr and returns at a speed of 2 km/hr. If he takes 5 hours in going and coming. The distance between his house and school is?

- A. 5 km
- B. 5.5 km
- C. 6 km
- D. 6.5 km

Answer: C

92. A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is?

- A. 35.55 km/hr
- B. 36 km/hr
- C. 71.11 km/hr
- D. 71 km/hr

Answer: C

93. A boy rides his bicycle 10 km at an average speed of 12 km/hr and again travels 12 km at an average speed of 10 km/hr. His average speed for the entire trip is approximately?

- A. 10.4 km/hr
- B. 10.8 km/hr
- C. 11 km/hr
- D. 12.2 km/hr

Answer: B

94. Robert is traveling on his cycle and has calculated to reach point A at 2 p.m. if he travels at 10 km/hr; he will reach there at 12 noon if he travels at 15 km/hr. At what speed must he travel to reach point A at 1 p.m.?

- A. 8 kmph
- B. 11 kmph
- C. 12 kmph
- D. 14 kmph

Answer: C

95. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B at the same time. The distance between A and B is 100 km. The train can travel 50% faster than a car. Both start from point A at the same time and reach point B at the same time. The distance between A and B is 100 km. The train can travel 50% faster than a car. Both start from point A at the same time and reach point B at the same time. The distance between A and B is 100 km.



point B at 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while

- A. 100 km/hr
- B. 110 km/hr
- C. 120 km/hr
- D. 130 km/hr

Answer: C

96. Excluding stoppages, the speed of a bus is 54 km/hr and including stoppages, it is 45 km/hr. For how many minutes does the bus stop per hour?

- A. 9
- B. 10
- C. 12
- D. 20

Answer: B

97. In covering a certain distance, the speeds of A and B are in the ratio of 3:4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is?

- A. 1 hour
- B. 1 1/2 hour
- C. 2 hour
- D. 2 1/2 hour

Answer: C

98. In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay double his speed, then he would take 1 hour less than Sameer. Abhay's speed is?

- A. 5 km/hr
- B. 6 km/hr
- C. 6.25 km/hr
- D. 7.5 km/hr

Answer: A

99. With a uniform speed a car covers the distance in 8 hours. Had the speed been increased by 4 km/hr, the same distance could have been covered in 7 1/2 hours. What is the distance covered?

- A. 420 km
- B. 480 km
- C. 640 km
- D. Cannot be determined

Answer: B

100. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance traveled by him is?

GKINDIA

A. 50 km
C. 70 km

B. 56 km
D. 80 km

Answer: A