

Problems on Trains

1. A train is moving at a speed of 180 km/h. Its speed in meters per second (m/s) is:

- A) 40 m/s
- B) 45 m/s
- C) 50 m/s
- D) 60 m/s

Answer: C) 50 m/s

2. A train travels at 25 m/s. What is its speed in km/h?

- A) 72 km/h
- B) 80 km/h
- C) 90 km/h
- D) 100 km/h

Answer: C) 90 km/h

3. A train 150 m long is running at a speed of 36 km/h. How much time will it take to pass a telegraph pole?

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

Answer: C) 15 sec

4. A train of length 200 m passes a man standing on a platform in 10 seconds. What is the speed of the train?

- A) 20 m/s
- B) 22 m/s
- C) 24 m/s
- D) 25 m/s

Answer: A) 20 m/s

5. How long does a train 110 meters long running at a speed of 72 km/h take to cross a bridge 132 meters in length?

- A) 9.8 sec
- B) 12.1 sec
- C) 12.42 sec
- D) 14.3 sec

Answer: B) 12.1 sec

6. A train running at a speed of 90 km/h crosses a platform 200 meters long in 22 seconds. What is the length of the train?

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

Answer: C) 350 m

7. A 300-meter long train crosses a platform in 39 seconds while it crosses a signal pole in 18 seconds. What is the length of the platform?

- A) 325 m
- B) 350 m
- C) 375 m
- D) 400 m

Answer: B) 350 m

8. The length of a bridge, which a train 130 meters long and travelling at 45 km/h can cross in 30 seconds, is:

- A) 200 m
- B) 225 m
- C) 245 m
- D) 250 m

Answer: C) 245 m

9. A train takes 10 seconds to pass a pole and 25 seconds to pass a platform of length 300 m. What is the length of the train?

- A) 150 m
- B) 200 m
- C) 250 m
- D) 300 m

Answer: B) 200 m

10. A train moves past a telegraph post and a bridge 264 m long in 8 seconds and 20 seconds respectively. What is the speed of the train?

- A) 69.5 km/h
- B) 70 km/h
- C) 79 km/h
- D) 79.2 km/h

Answer: D) 79.2 km/h

11. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/h, what is the length of the platform?

- A) 220 m
- B) 240 m
- C) 260 m
- D) 280 m

Answer: B) 240 m

12. A train speeds past a pole in 15 seconds and a platform 100 m long in 25 seconds. What is its length?

- A) 120 m
- B) 150 m
- C) 180 m
- D) 200 m

Answer: B) 150 m

13. A train of length 150 metres takes 40.5 seconds to cross a tunnel of length 300 metres. What is the speed of the train in km/h?

A) 13.33 km/h

B) 26.67 km/h

C) 40 km/h

D) 66.67 km/h

Answer: C) 40 km/h

14. A train takes 18 seconds to pass completely through a station 162 m long and 15 seconds through another station 120 m long. The length of the train is:

A) 70 m

B) 80 m

C) 90 m

D) 100 m

Answer: C) 90 m

15. A train is 125 m long. If the train takes 30 seconds to cross a tree by the railway line, then the speed of the train is:

A) 14 km/h

B) 15 km/h

C) 16 km/h

D) 12 km/h

Answer: B) 15 km/h

16. A train 360 m long is running at a speed of 45 km/h. In what time will it pass a bridge 140 m long?

A) 30 sec

B) 35 sec

C) 40 sec

D) 45 sec

Answer: C) 40 sec

17. A 240-meter long train passes a 300-meter long platform in 27 seconds. What is the speed of the train in km/h?

- A) 64 km/h
- B) 68 km/h
- C) 72 km/h
- D) 76 km/h

Answer: C) 72 km/h

18. A train running at a uniform speed passes a bridge 275 m long in 15 seconds and another bridge 425 m long in 21 seconds. The speed of the train is:

- A) 20 m/s
- B) 22 m/s
- C) 25 m/s
- D) 30 m/s

Answer: C) 25 m/s

19. A train 800 metres long is running at a speed of 78 km/h. If it crosses a tunnel in 1 minute, then the length of the tunnel is:

- A) 500 m
- B) 520 m
- C) 540 m
- D) 560 m

Answer: A) 500 m

20. A train 280-meter long crosses a platform thrice its length in 56 seconds. What is the speed of the train in km/h?

- A) 64 km/h
- B) 72 km/h
- C) 80 km/h
- D) 90 km/h

Answer: B) 72 km/h

21. Two trains of length 120 m and 80 m are running in opposite directions with velocities of 42 km/h and 30 km/h. In what time will they cross each other?

- A) 8 sec
- B) 10 sec
- C) 12 sec
- D) 15 sec

Answer: B) 10 sec

22. Two trains are moving in opposite directions at 60 km/h and 90 km/h. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train is:

- A) 36 sec
- B) 45 sec
- C) 48 sec
- D) 52 sec

Answer: C) 48 sec

23. A train 150 m long is running with a speed of 52 km/h. In what time will it pass a man who is running at 8 km/h in the opposite direction?

- A) 6 sec
- B) 8 sec
- C) 9 sec
- D) 10 sec

Answer: C) 9 sec

24. Two trains, 130 m and 110 m long, are going in the opposite direction. The first train runs at a speed of 62 km/h and the second train at 46 km/h. How long will they take to cross each other?

- A) 6 sec
- B) 8 sec
- C) 10 sec
- D) 12 sec

Answer: B) 8 sec

25. A train 100 m long travels at 50 km/h. How long does it take to cross another train 150 m long, running in the opposite direction at 40 km/h?

- A) 8 sec
- B) 9 sec
- C) 10 sec
- D) 11 sec

Answer: C) 10 sec

26. A 270 meters long train running at the speed of 120 kmph crosses another train running in the opposite direction at a speed of 80 kmph in 9 seconds. What is the length of the other train?

- A) 230 m
- B) 240 m
- C) 260 m
- D) 320 m

Answer: A) 230 m

27. Two trains are running in opposite directions with the same speed. If the length of each train is 120 meters and they cross each other in 12 seconds, then the speed of each train (in km/h) is:

- A) 36
- B) 42
- C) 54
- D) 72

Answer: A) 36

28. A train 110 metres long is running with a speed of 60 kmph. In what time will it pass a man who is running at 6 kmph in the direction opposite to that of the train?

- A) 5 sec
- B) 6 sec
- C) 7 sec
- D) 10 sec

Answer: B) 6 sec

29. A train 108 m long moving at a speed of 50 km/h crosses a train 112 m long coming from the opposite direction in 6 seconds. The speed of the second train is:

- A) 48 km/h
- B) 54 km/h
- C) 66 km/h
- D) 82 km/h

Answer: D) 82 km/h

30. A train 220 m long is running with a speed of 59 km/h. In what time will it pass a man who is running at 7 km/h in the direction opposite to that of the train?

- A) 10 sec
- B) 11 sec
- C) 12 sec
- D) 13 sec

Answer: C) 12 sec

31. Two trains, 140 m and 160 m long, run at speeds of 60 km/h and 40 km/h respectively in opposite directions on parallel tracks. The time which they take to cross each other is:

- A) 9 sec
- B) 10 sec
- C) 10.8 sec
- D) 11.2 sec

Answer: C) 10.8 sec

32. Two trains are traveling in opposite directions at 72 km/h and 108 km/h. Their lengths are 210 m and 190 m. How long will they take to cross each other?

- A) 8 sec
- B) 9 sec
- C) 10 sec
- D) 11 sec

Answer: A) 8 sec

33. A 210 m long train takes 6 s to cross a man running at 9 kmph in a direction opposite to that of the train. What is the speed of the train?

A) 117 kmph

B) 126 kmph

C) 135 kmph

D) 144 kmph

Answer: A) 117 kmph

34. A train of length 200m takes 12 seconds to cross a man walking at 10 km/hr in the opposite direction. What is the speed of the train?

A) 50 km/hr

B) 55 km/hr

C) 60 km/hr

D) 65 km/hr

Answer: A) 50 km/hr

35. A train 250 m in length is running at a speed of 10 m/s. It will cross a man coming from the opposite direction at a speed of 5 m/s in:

A) 12.66 sec

B) 14.33 sec

C) 16.66 sec

D) 18.33 sec

Answer: C) 16.66 sec

36. A train 100 m long is running at a speed of 70 km/h. A man is running at 10 km/h in the same direction. In how much time will the train pass the man?

A) 5 sec

B) 6 sec

C) 8 sec

D) 10 sec

Answer: B) 6 sec

37. A train 200 m long, running at 36 km/h, is overtaken by another train 250 m long running at 45 km/h in the same direction. In how much time will the faster train cross the slower one completely?

- A) 150 sec
- B) 160 sec
- C) 180 sec
- D) 200 sec

Answer: C) 180 sec

38. Two trains of lengths 160 m and 140 m are running in the same direction on parallel tracks. The speed of the longer train is 77 km/h and the speed of the shorter train is 67 km/h. How long will it take for the faster train to cross the slower one?

- A) 72 sec
- B) 98 sec
- C) 108 sec
- D) 112 sec

Answer: C) 108 sec

39. A train overtakes two persons who are walking in the same direction at the rate of 2 kmph and 4 kmph and passes them completely in 9 and 10 seconds respectively. The length of the train is:

- A) 45 m
- B) 50 m
- C) 55 m
- D) 60 m

Answer: B) 50 m

40. A 200m long train is running at 68 km/h. It overtakes a man running in the same direction at 8 km/h. How long will it take to pass the man?

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

Answer: B) 12 sec

41. Two trains of equal length take 10 seconds and 15 seconds respectively to cross a telegraph post. If the length of each train is 120 metres, in what time will they cross each other travelling in the same direction?

- A) 60 sec
- B) 65 sec
- C) 70 sec
- D) 72 sec

Answer: A) 60 sec

42. A train passes two men walking in the same direction at 3 km/hr and 5 km/hr in 10 seconds and 11 seconds respectively. The speed of the train is:

- A) 25 km/hr
- B) 27 km/hr
- C) 28 km/hr
- D) 30 km/hr

Answer: A) 25 km/hr

43. A train running at 54 km/h crosses a passenger sitting in another train travelling in the same direction at a speed of 18 km/h in 30 seconds. Find the length of the faster train.

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

Answer: B) 300 m

44. How many seconds will a 500-meter long train take to cross a man walking with a speed of 3 km/h in the direction of the moving train if the speed of the train is 63 km/h?

- A) 25 sec
- B) 30 sec
- C) 40 sec
- D) 45 sec

Answer: B) 30 sec

45. Two trains are running at 40 km/h and 20 km/h respectively in the same direction. The fast train completely passes a man sitting in the slow train in 5 seconds. The length of the fast train is:

- A) 23 m
- B) 23.9 m
- C) 27 m
- D) 27.78 m

Answer: D) 27.78 m

46. A 150m long train running at 78 km/hr crosses another 120m long train running in the same direction in 54 seconds. What is the speed of the slower train?

- A) 50 km/h
- B) 60 km/h
- C) 70 km/h
- D) 48 km/h

Answer: B) 60 km/h

47. A train whose length is 150 m, passes a person walking at a speed of 6 km/h in the same direction in 30 seconds. What is the speed of the train?

- A) 18 km/h
- B) 20 km/h
- C) 24 km/h
- D) 30 km/h

Answer: C) 24 km/h

48. A train 120 m long is travelling at a speed of 90 km/h. It will cross a cyclist moving at 18 km/h in the same direction in:

- A) 6 sec
- B) 8 sec
- C) 10 sec
- D) 12 sec

Answer: A) 6 sec

49. A train overtakes two persons walking along a railway track. The first walks at 4.5 km/h and the other at 5.4 km/h. The train needs 8.4 and 8.5 seconds respectively to overtake them. What is the speed of the train if both persons walk in the same direction as the train?

- A) 66 km/h
- B) 72 km/h
- C) 78 km/h
- D) 81 km/h

Answer: D) 81 km/h

50. A train takes 12 seconds to pass a man walking at 5 km/h in the same direction. If the speed of the train is 20 km/h, find the length of the train.

- A) 100 m
- B) 50 m
- C) 66.67 m
- D) 75 m

Answer: B) 50 m

51. A train starts from station A at 7 AM and reaches station B at 11 AM. Another train starts from B at 8 AM and reaches A at 11:30 AM. At what time do the two trains cross each other?

- A) 9:24 AM
- B) 9:26 AM
- C) 9:36 AM
- D) 9:45 AM

Answer: A) 9:24 AM

52. A goods train and a passenger train are running on parallel tracks in the same direction. The driver of the goods train observes that the passenger train coming from behind overtakes and crosses his train completely in 60 seconds. Whereas a passenger on the passenger train observes that he crosses the goods train in 40 seconds. If the speeds of the trains are in the ratio 1:2, find the ratio of their lengths.

- A) 1:2
- B) 2:1
- C) 2:3

D) 3:2

Answer: B) 2:1

53. Two stations A and B are 110 km apart. One train starts from A at 7 a.m. and travels towards B at 20 kmph. Another train starts from B at 8 a.m. and travels towards A at 25 kmph. At what time will they meet?

A) 9 a.m.

B) 10 a.m.

C) 10:30 a.m.

D) 11 a.m.

Answer: B) 10 a.m.

54. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away at the same time. On the way, the train lost about 12.5 minutes while stopping. The speed of the car is:

A) 100 kmph

B) 110 kmph

C) 120 kmph

D) 130 kmph

Answer: C) 120 kmph

55. A train without stoppage travels at 50 km/hr and with stoppage, it travels at 40 km/hr. For how many minutes does the train stop on an average per hour?

A) 10 min

B) 12 min

C) 15 min

D) 18 min

Answer: B) 12 min

56. A train 150m long crosses a milestone in 15 seconds and another train of the same length travelling in the opposite direction in 12 seconds. The speed of the second train is:

A) 36 km/h

B) 45 km/h

C) 54 km/h

D) 60 km/h

Answer: C) 54 km/h

57. Two trains, A and B, start from stations X and Y towards Y and X respectively. After passing each other, they take 4 hours 48 minutes and 3 hours 20 minutes to reach Y and X respectively. If train A is moving at 45 km/hr, then the speed of train B is:

A) 54 km/hr

B) 60 km/hr

C) 64.8 km/hr

D) 72 km/hr

Answer: A) 54 km/hr

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

A) 70 km/hr

B) 75 km/hr

C) 84 km/hr

D) 87.5 km/hr

Answer: D) 87.5 km/hr

59. A train running at $\frac{7}{11}$ of its own speed reached a place in 22 hours. How much time could be saved if the train had run at its own speed?

A) 7 hours

B) 8 hours

C) 14 hours

D) 16 hours

Answer: B) 8 hours

60. A train travelling at 48 km/hr completely crosses another train having half its length and travelling in the opposite direction at 42 km/hr, in 12 seconds. It also passes a railway platform in 45 seconds. The length of the platform is:

A) 400 m

B) 450 m

C) 560 m

D) 600 m

Answer: A) 400 m

61. A train is moving at 132 km/h. If the length of the train is 110 meters, how long will it take to cross a railway platform 165 meters long?

A) 7.5 sec

B) 8 sec

C) 8.5 sec

D) 9 sec

Answer: A) 7.5 sec

62. Two trains start at the same time from A and B and proceed towards each other at 80 km/h and 95 km/h respectively. When they meet, it is found that one train has travelled 180 km more than the other. Find the distance between A and B.

A) 2100 km

B) 2200 km

C) 2300 km

D) 2400 km

Answer: A) 2100 km

63. A jogger running at 9 km/h alongside a railway track is 240 meters ahead of the engine of a 120 meters long train running at 45 km/h in the same direction. In how much time will the train pass the jogger?

A) 36 sec

B) 48 sec

C) 60 sec

D) 72 sec

Answer: A) 36 sec

64. A train covers a distance in 50 minutes if it runs at a speed of 48 kmph on average. The speed at which the train must run to reduce the time of journey to 40 minutes will be:

A) 50 km/h

B) 55 km/h

C) 60 km/h

D) 70 km/h

Answer: C) 60 km/h

65. A man on a train notices that he can count 21 telephone posts in one minute. If they are known to be 50 metres apart, then at what speed is the train travelling?

A) 55 km/h

B) 57 km/h

C) 60 km/h

D) 63 km/h

Answer: C) 60 km/h

66. Two trains of equal length are running on parallel lines in the same direction at 46 km/h and 36 km/h. The faster train passes the slower train in 36 seconds. The length of each train is:

A) 50 m

B) 72 m

C) 80 m

D) 82 m

Answer: A) 50 m

67. Two trains start from stations P and Q and travel towards each other at speeds of 50 km/h and 40 km/h respectively. By the time they meet, the first train has traveled 100 km more than the second. The distance between P and Q is:

A) 500 km

B) 630 km

C) 810 km

D) 900 km

Answer: D) 900 km

68. A train X starts from Meerut at 4 p.m. and reaches Ghaziabad at 5 p.m. while another train Y starts from Ghaziabad at 4 p.m. and reaches Meerut at 5:30 p.m. The two trains will cross each other at:

A) 4:36 p.m.

B) 4:42 p.m.

C) 4:48 p.m.

D) 4:50 p.m.

Answer: A) 4:36 p.m.

69. Two trains from Howrah to Patna and from Patna to Howrah start at the same time and after meeting, reach their destinations in 9 hours and 16 hours respectively. The ratio of their speeds is:

A) 2:3

B) 4:3

C) 6:7

D) 9:16

Answer: B) 4:3

70. A train of length 240 m passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?

A) 65 sec

B) 89 sec

C) 100 sec

D) 120 sec

Answer: B) 89 sec

71. A passenger train takes two hours less for a journey of 300 km if its speed is increased by 5 km/h from its usual speed. The usual speed is:

A) 25 km/h

B) 30 km/h

C) 35 km/h

D) 40 km/h

Answer: A) 25 km/h

72. The length of a train and that of a platform are equal. If with a speed of 90 km/h the train crosses the platform in one minute, then the length of the train (in metres) is:

- A) 500
- B) 600
- C) 750
- D) 900

Answer: C) 750

73. A train is scheduled to cover the distance between two stations 46 km apart in one hour. If it travels 25 km at a speed of 40 km/h, find the speed for the remaining journey to complete it in the scheduled time.

- A) 36 km/h
- B) 46 km/h
- C) 56 km/h
- D) 66 km/h

Answer: C) 56 km/h

74. A train starts from Delhi at 6:00 AM and reaches Chandigarh at 10:00 AM. Another train starts from Chandigarh at 8:00 AM and reaches Delhi at 11:30 AM. At what time do they cross each other?

- A) 8:56 AM
- B) 9:00 AM
- C) 9:04 AM
- D) 9:10 AM

Answer: A) 8:56 AM

75. A train B speeding with 120 kmph crosses another train C, running in the same direction in 2 minutes. If the lengths of trains B and C are 100 m and 200 m respectively, what is the speed of train C?

- A) 111 kmph
- B) 114 kmph
- C) 117 kmph
- D) 123 kmph

Answer: A) 111 kmph

76. A 320 m long train crosses a platform in 35 seconds. If the speed of the train is 72 km/h, what is the length of the platform?

- A) 380 m
- B) 400 m
- C) 420 m
- D) 440 m

Answer: A) 380 m

77. A train is 100 m long and is running at a speed of 30 km/h. Find the time it will take to pass a man standing at a crossing.

- A) 10 sec
- B) 12 sec
- C) 14 sec
- D) 16 sec

Answer: B) 12 sec

78. A train 250m long is running at 90 km/h. In what time will it pass a 200m long train running in the opposite direction at 54 km/h?

- A) 10.2 sec
- B) 10.7 sec
- C) 11.25 sec
- D) 11.75 sec

Answer: C) 11.25 sec

79. A train takes 5 seconds to pass a pole. If the length of the train is 100 m, the time taken by it to cross a railway platform 160 m long is:

- A) 11 sec
- B) 13 sec
- C) 15 sec
- D) 17 sec

Answer: B) 13 sec

80. Two trains have lengths of 320 m and 480 m. They are running in the same direction on parallel tracks. If the faster train passes the driver of the slower train in 32 seconds, what is their relative speed?

- A) 36 km/h
- B) 40 km/h
- C) 45 km/h
- D) 50 km/h

Answer: A) 36 km/h

81. A train running at 25 km/h takes 18 seconds to pass a platform. Next, it takes 12 seconds to pass a man walking at 5 km/h in the same direction. The length of the platform is:

- A) 58.33 m
- B) 60.33 m
- C) 62.33 m
- D) 64.33 m

Answer: A) 58.33 m

82. A train 200m long crosses a 300m long bridge in 25 seconds. How long will it take to cross a man standing on the platform?

- A) 8 sec
- B) 10 sec
- C) 12 sec
- D) 15 sec

Answer: B) 10 sec

83. A train travelling at 72 km/h crosses a platform in 30 seconds and a man standing on the platform in 18 seconds. What is the length of the platform?

- A) 240 m
- B) 360 m
- C) 420 m
- D) 600 m

Answer: A) 240 m

84. A train 120m long travels at 108 km/h. How long does it take to cross a platform 180m long?

- A) 8 sec
- B) 9 sec
- C) 10 sec
- D) 12 sec

Answer: C) 10 sec

85. Two trains start from the same point and move along two parallel tracks in the same direction. One train runs at 70 km/h and the other at 50 km/h. What is the distance between them after 30 minutes?

- A) 10 km
- B) 15 km
- C) 20 km
- D) 25 km

Answer: A) 10 km

86. A train traveling at 60 km/hr crosses a man in 6 seconds. What is the length of the train?

- A) 80 m
- B) 90 m
- C) 100 m
- D) 120 m

Answer: C) 100 m

87. A train is 200m long. It is running at 54 km/hr. In how much time will it pass a bridge of 100m?

- A) 15 sec
- B) 20 sec
- C) 25 sec
- D) 30 sec

Answer: B) 20 sec

88. A train of length 260 m crosses a bridge of length 40 m in 10 seconds. Find the time taken by the train to cross a stationary man.

- A) 8.67 sec
- B) 9.33 sec
- C) 10.67 sec
- D) 11.33 sec

Answer: A) 8.67 sec

89. Two trains of equal length are running on parallel lines in opposite directions at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is:

- A) 200 m
- B) 320 m
- C) 410 m
- D) 460 m

Answer: C) 410 m

90. A train X running at 74 km/hr crosses another train Y running at 52 km/hr in the opposite direction in 10 seconds. If the length of Y is two-thirds that of X, then what is the length of X?

- A) 160 m
- B) 210 m
- C) 240 m
- D) 260 m

Answer: B) 210 m

91. A train passes two bridges of lengths 800 m and 400 m in 100 seconds and 60 seconds respectively. The length of the train is:

- A) 80 m
- B) 90 m
- C) 200 m
- D) 150 m

Answer: C) 200 m

92. Two trains of lengths 100 m and 120 m are travelling in the same direction with speeds of 72 km/hr and 54 km/hr respectively. In how much time will the first train cross the second?

- A) 40 sec
- B) 44 sec
- C) 48 sec
- D) 50 sec

Answer: B) 44 sec

93. A 180 m long train crosses another 270 m long train running in the opposite direction in 10.8 seconds. If the speed of the first train is 60 km/h, what is the speed of the second train?

- A) 80 km/h
- B) 90 km/h
- C) 100 km/h
- D) 110 km/h

Answer: B) 90 km/h

94. A train travelling at a certain speed crosses a platform 150m long in 15 seconds and a man standing on the platform in 9 seconds. The speed of the train is:

- A) 25 m/s
- B) 30 m/s
- C) 20 m/s
- D) 15 m/s

Answer: A) 25 m/s

95. A train traveling at 45 km/h crosses a man walking at 9 km/h in the same direction in 20 seconds. What is the length of the train?

- A) 150 m
- B) 180 m
- C) 200 m
- D) 220 m

Answer: C) 200 m

96. A man sees a train passing over a 1 km long bridge. The length of the train is half that of the bridge. If the train clears the bridge in 2 minutes, the speed of the train is:

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

Answer: A) 45 km/h

97. A train takes 9 seconds to cross a pole. If the speed of the train is 48 kmph, then the length of the train is:

- A) 150 m
- B) 120 m
- C) 90 m
- D) 80 m

Answer: B) 120 m

98. The ratio of the length of two trains is 5:3 and the ratio of their speeds is 6:5. The ratio of time taken by them to cross a pole is:

- A) 5:6
- B) 11:8
- C) 25:18
- D) 27:16

Answer: C) 25:18

99. A train 150 m long passes a stone in 30 seconds and another train of the same length travelling in the opposite direction in 10 seconds. The speed of the second train is:

- A) 90 km/h
- B) 72 km/h
- C) 60 km/h
- D) 48 km/h

Answer: B) 72 km/h

100. A train is running at a speed of 90 km/h. If it crosses a signal in 10 seconds, the length of the train in metres is:

A) 150

B) 250

C) 300

D) 350

Answer: B) 250