

Problems Of Trains

1. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

- (A) 120 meters
- (B) 180 meters
- (C) 324 meters
- (D) 150 meters

Answer: C) 324 meters

2. A train 240 meters long passes a pole in 24 seconds. How long will it take to pass a platform 650 meters long?

- (A) 65 sec
- (B) 89 sec
- (C) 100 sec
- (D) 150 sec

Answer: B) 89 sec

3. Two trains, each 100 m long, moving in opposite directions, cross each other in 8 seconds. If one is moving twice as fast as the other, then the speed of the faster train is:

- (A) 30 km/hr
- (B) 45 km/hr
- (C) 60 km/hr
- (D) 75 km/hr

Answer: C) 60 km/hr

4. A train speeds past a pole in 15 seconds and a platform 100 m long in 25 seconds. Its length is:

- (A) 50 m
- (B) 150 m
- (C) 200 m
- (D) Data inadequate

Answer: B) 150 m

5. Two goods trains, each 500 meters long, are running in opposite directions on parallel tracks. Their speeds are 45 km/hr and 30 km/hr respectively. Find the time taken by the slower train to pass the driver of the faster one.

(A) 12 sec

(B) 24 sec

(C) 48 sec

(D) 60 sec

Answer: B) 24 sec

6. A train overtakes two persons who are walking in the same direction in which the train is going, at the rate of 2 km/hr and 4 km/hr and passes them completely in 9 seconds and 10 seconds respectively. The length of the train is:

(A) 45 m

(B) 50 m

(C) 54 m

(D) 72 m

Answer: C) 54 m

7. A train 270 metres long running at the speed of 120 km/hr crosses another train running in opposite direction at the speed of 80 km/hr 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

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

(A) 320 m

(B) 350 m

(C) 650 m

(D) Data inadequate

Answer: B) 350 m

9. A train passes a platform 250 m long in 20 seconds and a pole in 10 seconds. What is the speed of the train?

(A) 90 km/hr

(B) 108 km/hr

(C) 72 km/hr

(D) 36 km/hr

Answer: B) 108 km/hr

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

(A) 25

(B) 30

(C) 40

(D) 45

Answer: B) 30

11. A train with a speed of 50 km/hr crosses a platform in 30 seconds. The length of the train is 150 m. Find the length of the platform.

(A) 200 m

(B) 225 m

(C) 250 m

(D) 275 m

Answer: C) 250 m

12. Two trains each 100 m long running parallel to each other at speeds of 20 m/s and 10 m/s in opposite directions cross each other in:

(A) 4 sec

(B) 6 sec

(C) 8 sec

(D) 10 sec

Answer: B) 6 sec

13. A 150 m long train running at 60 km/hr crosses a telegraph post in:

(A) 5 sec

(B) 6 sec

(C) 7.5 sec

(D) 8 sec

Answer: C) 7.5 sec

14. Two trains 150 m and 120 m are running at speeds 60 km/hr and 54 km/hr in opposite directions on parallel tracks. The time taken for the faster train to pass the slower one is:

(A) 9 sec

(B) 10 sec

(C) 11 sec

(D) 12 sec

Answer: B) 10 sec

15. A train moves 300 m in 15 seconds. What is the speed of the train?

(A) 60 km/hr

(B) 66 km/hr

(C) 72 km/hr

(D) 78 km/hr

Answer: A) 60 km/hr

16. A 60 m long train running at 25 m/s passes a platform in 20 seconds. What is the length of the platform?

(A) 490 m

(B) 500 m

(C) 520 m

(D) 540 m

Answer: A) 490 m

17. A train of length 120 m crosses a man walking at 5 km/hr in the same direction in 10 seconds. What is the speed of the train?

(A) 45 km/hr

(B) 50 km/hr

(C) 54 km/hr

(D) 55 km/hr

Answer: B) 50 km/hr

18. Two trains 200 m and 300 m long are moving in opposite directions at speeds of 54 km/hr and 36 km/hr respectively. The time taken for the two trains to cross each other is:

(A) 20 seconds

(B) 18 seconds

(C) 15 seconds

(D) 10 seconds

Answer: B) 18 seconds

19. A train passes a telegraph post in 9 seconds and a platform of 360 m length in 40 seconds. What is the length of the train?

(A) 270 m

(B) 280 m

(C) 300 m

(D) 320 m

Answer: A) 270 m

20. Two trains of length 200 m and 180 m moving in the same direction cross each other in 20 seconds. Their speeds are 54 km/hr and ?

(A) 45 km/hr

(B) 40 km/hr

(C) 48 km/hr

(D) 50 km/hr

Answer: A) 45 km/hr

21. A train running at 72 km/hr crosses a pole in 10 seconds. What is the length of the train?

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

Answer: B) 200 m

22. A man on a platform crosses a train in 24 seconds. If the length of the train is 80 m and the speed of the train is 30 km/hr, how wide is the platform?

- (A) 240 m
- (B) 260 m
- (C) 280 m
- (D) 300 m

Answer: B) 260 m

23. Two trains of equal length running at 36 km/hr and 54 km/hr cross each other in 18 seconds. What is the length of each train?

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

Answer: C) 180 m

24. A train 100 m long running at 45 km/hr crosses a platform 200 m long in:

- (A) 20 sec
- (B) 24 sec
- (C) 26 sec
- (D) 28 sec

Answer: B) 24 sec

25. A train 150m long running at 54 km/hr passes a person sitting on the platform in:

(A) 10 sec

(B) 15 sec

(C) 17 sec

(D) 20 sec

Answer: C) 17 sec

26. Two trains 100 m and 120 m long run in opposite directions; they cross each other in 10 seconds. The speed of slower train is 30 km/hr. Find the speed of the other train?

(A) 36 km/hr

(B) 42 km/hr

(C) 48 km/hr

(D) 54 km/hr

Answer: A) 36 km/hr

27. Two trains run in the same direction at speeds 72 km/hr and 54 km/hr. Lengths are 140 m and 300 m respectively. Find the time faster train takes to cross slower one?

(A) 18 sec

(B) 24 sec

(C) 30 sec

(D) 36 sec

Answer: A) 18 sec

28. A train 150 m long running at 75 km/hr crosses a man in:

(A) 6 sec

(B) 7 sec

(C) 8 sec

(D) 9 sec

Answer: A) 6 sec

29. Two trains 140 m and 125 m long run in opposite directions at 70 km/hr and 46 km/hr respectively. Time to cross each other?

(A) 7 sec

- (B) 8 sec
- (C) 9 sec
- (D) 10 sec

Answer: B) 8 sec

30. Length of a train running at 54 km/hr that crosses a platform 450 m long in 30 sec is:

- (A) 300 m
- (B) 350 m
- (C) 280 m
- (D) 290 m

Answer: A) 300 m

31. A train 200 m long running at 72 km/hr passes a man in:

- (A) 10 sec
- (B) 15 sec
- (C) 20 sec
- (D) 25 sec

Answer: B) 15 sec

32. Two trains each 150 m long run in opposite directions at speeds 36 km/hr and 54 km/hr. Time to cross each other?

- (A) 18 sec
- (B) 20 sec
- (C) 25 sec
- (D) 30 sec

Answer: A) 18 sec

33. A train 100 m long running at 78 km/hr crosses a man in:

- (A) 5 sec
- (B) 6 sec
- (C) 7 sec

(D) 8 sec

Answer: B) 6 sec

34. A platform 200 m long is crossed by a train of 150 m in 30 sec. Speed of the train?

(A) 72 km/hr

(B) 78 km/hr

(C) 80 km/hr

(D) 90 km/hr

Answer: A) 72 km/hr

35. Two trains 150 m and 200 m long run in opposite directions at 60 km/hr and 45 km/hr respectively. Time to cross each other?

(A) 20 sec

(B) 22 sec

(C) 24 sec

(D) 25 sec

Answer: C) 24 sec

36. Length of a train running at 54 km/hr crossing a platform 120 m long in 30 sec is:

(A) 240 m

(B) 270 m

(C) 280 m

(D) 300 m

Answer: D) 300 m

37. Two trains each 200 m long run in opposite directions at 72 km/hr and 36 km/hr. Time taken by slower train to cross faster one?

(A) 20 sec

(B) 21 sec

(C) 22 sec

(D) 23 sec

Answer: A) 20 sec

38. A train crosses a man in 9 sec and a platform of 240 m in 45 sec. Length of train?

- (A) 150 m
- (B) 200 m
- (C) 240 m
- (D) 250 m

Answer: B) 200 m

39. A train 300 m long passes a pole in 15 sec. Speed of train?

- (A) 60 km/hr
- (B) 72 km/hr
- (C) 75 km/hr
- (D) 78 km/hr

Answer: C) 75 km/hr

40. A train 80 m long running at 45 km/hr crosses a platform in 20 sec. Length of platform?

- (A) 180 m
- (B) 185 m
- (C) 190 m
- (D) 195 m

Answer: C) 190 m

41. Two trains each 150 m long cross a man walking in opposite directions in 7 sec and 9 sec. Length of each train?

- (A) 140 m
- (B) 150 m
- (C) 160 m
- (D) 170 m

Answer: B) 150 m

42. Length of train running at 90 km/hr crossing a platform 350 m long in 20 sec is:

(A) 250 m

(B) 300 m

(C) 350 m

(D) 400 m

Answer: B) 300 m

43. Two trains 200 m and 300 m long move in opposite directions at speeds 54 km/hr and 36 km/hr. Time to cross each other?

(A) 18 sec

(B) 20 sec

(C) 22 sec

(D) 24 sec

Answer: A) 18 sec

44. A train passing a man in 20 seconds at 60 km/hr. Length of train?

(A) 100 m

(B) 120 m

(C) 150 m

(D) 160 m

Answer: C) 150 m

45. A train 260 m long passes a platform 180 m long in 40 seconds. Speed of train?

(A) 45 km/hr

(B) 54 km/hr

(C) 72 km/hr

(D) 75 km/hr

Answer: A) 45 km/hr

46. Two trains 120 m long and 150 m long cross each other in 18 seconds running at speeds of 54 km/hr and 36 km/hr. Time to cross?

(A) 17 sec

(B) 18 sec

(C) 19 sec

(D) 20 sec

Answer: B) 18 sec

47. A 400 m long train running at 60 km/hr crosses a bridge in 30 sec. Length of the bridge?

(A) 350 m

(B) 400 m

(C) 450 m

(D) 500 m

Answer: C) 450 m

48. A train passes a man in 10 seconds and a platform in 45 seconds moving at 72 km/hr. Length of platform is:

(A) 300 m

(B) 320 m

(C) 350 m

(D) 360 m

Answer: A) 300 m

49. A train running at 72 km/hr crosses a bridge in 30 seconds. Length of train is 300 m, length of bridge is:

(A) 320 m

(B) 350 m

(C) 375 m

(D) 400 m

Answer: B) 350 m

50. A train 120 m long crosses a pole in 12 seconds. Speed of train?

(A) 30 km/hr

(B) 36 km/hr

(C) 40 km/hr

(D) 45 km/hr

Answer: D) 45 km/hr

51. Two trains, 120 m and 180 m long, cross a man standing on a platform in 15 and 18 seconds respectively. The ratio of their speeds is?

- (A) 5:7
- (B) 7:5
- (C) 6:7
- (D) 7:6

Answer: B) 7:5

52. A train of length 100 m traveling at 60 km/hr passes a platform in 30 seconds. Length of platform?

- (A) 350 m
- (B) 400 m
- (C) 450 m
- (D) 500 m

Answer: A) 350 m

53. A 150 m long train running at 50 km/hr crosses a platform in 36 seconds. Length of platform is:

- (A) 320 m
- (B) 350 m
- (C) 400 m
- (D) 450 m

Answer: C) 400 m

54. Two trains 120 m and 180 m are running in opposite directions at speeds 36 km/hr and 54 km/hr. Time taken to cross?

- (A) 18 sec
- (B) 20 sec
- (C) 22 sec
- (D) 25 sec

Answer: A) 18 sec

55. The length of a train running at 80 km/hr crossing a platform of 400 m in 36 seconds is:

- (A) 300 m
- (B) 350 m
- (C) 400 m
- (D) 450 m

Answer: A) 300 m

56. If two train's speeds are 45 km/hr and 54 km/hr running in opposite directions and lengths 120 m each. Time taken to cross?

- (A) 16 sec
- (B) 17 sec
- (C) 18 sec
- (D) 19 sec

Answer: C) 18 sec

57. A train running at 60 km/hr passes a pole in 10 seconds. Length of train is:

- (A) 160 m
- (B) 165 m
- (C) 165 m
- (D) 170 m

Answer: B) 165 m

58. Two trains travelling in same direction at speeds 40 km/hr and 60 km/hr cross each other in 20 seconds. Length of the trains are 150 m and 200 m. Time taken by faster train to cross slower one?

- (A) 18 sec
- (B) 20 sec
- (C) 22 sec
- (D) 24 sec

Answer: A) 18 sec

59. A train travelling 80 km/hr crosses a platform of 300 m in 30 seconds. Length of train?

(A) 350 m

(B) 360 m

(C) 370 m

(D) 380 m

Answer: A) 350 m

60. Two trains each 150 m long cross a man in 9 sec and 18 sec respectively. The length of each train is:

(A) 150 m

(B) 240 m

(C) 300 m

(D) 350 m

Answer: A) 150 m

61. A train of length 120 m moving at 72 km/hr crosses a platform in 30 seconds. Length of platform?

(A) 270 m

(B) 280 m

(C) 290 m

(D) 300 m

Answer: A) 270 m

62. Two trains 200 m and 160 m long move in opposite direction at 54 km/hr and 36 km/hr respectively. Time taken to cross each other?

(A) 20 sec

(B) 22 sec

(C) 24 sec

(D) 26 sec

Answer: A) 20 sec

63. A train passes a pole in 9 seconds at 72 km/hr. Length of the train:

(A) 180 m

(B) 190 m

(C) 200 m

(D) 210 m

Answer: C) 200 m

64. Length of train running at 54 km/hr crossing a platform 300 m long in 40 seconds is:

(A) 250 m

(B) 280 m

(C) 270 m

(D) 260 m

Answer: C) 270 m

65. A 120 m long train running at 72 km/hr passes a person in:

(A) 6 seconds

(B) 6.5 seconds

(C) 7 seconds

(D) 7.5 seconds

Answer: A) 6 seconds

66. A train 300 m long crosses a platform of 500 m in 40 seconds. What is the speed of the train?

(A) 63 km/hr

(B) 65 km/hr

(C) 72 km/hr

(D) 75 km/hr

Answer: A) 63 km/hr

67. A train of length 150 m moving at 108 km/hr crosses a bridge of length 240 m in:

(A) 18 seconds

(B) 20 seconds

(C) 21 seconds

(D) 22 seconds

Answer: C) 21 seconds

68. A man is running at 5 km/hr in the same direction a train is moving at 65 km/hr. If the train takes 18 seconds to cross him, what is the length of the train?

- (A) 84 m
- (B) 90 m
- (C) 100 m
- (D) 80 m

Answer: A) 84 m

69. Two trains, one 150 m and the other 120 m long, running in opposite directions at speeds of 60 and 72 km/hr respectively, will cross each other in:

- (A) 8 seconds
- (B) 10 seconds
- (C) 12 seconds
- (D) 14 seconds

Answer: B) 10 seconds

70. A train running at 54 km/hr crosses a platform 220 m long in 30 seconds. What is the length of the train?

- (A) 250 m
- (B) 270 m
- (C) 280 m
- (D) 300 m

Answer: A) 250 m

71. Length of a train moving at 72 km/h, that crosses a man in 12 seconds, is:

- (A) 240 m
- (B) 190 m
- (C) 260 m
- (D) 225 m

Answer: A) 240 m

72. A 150 m long train travelling at 54 km/hr crosses a man standing on a platform in:

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

Answer: C) 15 seconds

73. A train running at 60 km/hr crosses a platform 350 m long in 30 seconds. Length of the train?

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

Answer: B) 200 m

74. Two trains 150 m and 200 m long respectively run in opposite directions at 54 km/hr and 45 km/hr. Time taken to cross each other?

- (A) 20 sec
- (B) 22 sec
- (C) 24 sec
- (D) 26 sec

Answer: C) 24 sec

75. A train 160 m long running at 72 km/hr crosses a bridge in 30 seconds. Length of the bridge?

- (A) 450 m
- (B) 500 m
- (C) 470 m
- (D) 490 m

Answer: B) 500 m

76. A train running at 54 km/hr passes a pole in 20 seconds. Length of the train?

(A) 300 m

(B) 320 m

(C) 280 m

(D) 250 m

Answer: A) 300 m

77. Two trains running in opposite directions at 36 km/hr and 54 km/hr pass a man in 9 sec and 6 sec respectively. What's the ratio of their lengths?

(A) 2:3

(B) 3:2

(C) 1:2

(D) 2:1

Answer: B) 3:2

78. A train 250 m long runs at 60 km/hr and crosses a platform in 40 sec. Length of the platform?

(A) 300 m

(B) 350 m

(C) 320 m

(D) 400 m

Answer: A) 300 m

79. Two trains 200 m and 120 m long are running in opposite directions at speeds of 54 and 36 km/hr respectively. Time taken to cross each other is:

(A) 18 sec

(B) 20 sec

(C) 22 sec

(D) 24 sec

Answer: A) 18 sec

80. A train 300 m long running at 72 km/hr crosses a signal pole in:

(A) 14 sec

(B) 15 sec

(C) 16 sec

(D) 17 sec

Answer: C) 16 sec

81. Two trains of equal length 150 m start moving in opposite directions at speeds of 72 km/hr and 50 km/hr. Time taken to cross each other is:

(A) 18 sec

(B) 20 sec

(C) 22 sec

(D) 24 sec

Answer: A) 18 sec

82. A 220 m long train crosses a platform 660 m long in 60 seconds. What is the speed of the train?

(A) 36 km/hr

(B) 40 km/hr

(C) 50 km/hr

(D) 55 km/hr

Answer: B) 40 km/hr

83. A train 100 m long crosses a man walking at 4 km/hr in the same direction in 12 seconds. Speed of the train?

(A) 60 km/hr

(B) 42 km/hr

(C) 44 km/hr

(D) 46 km/hr

Answer: D) 46 km/hr

84. Two trains of length 120 m and 150 m, moving in opposite directions at speeds of 72 km/hr and 54 km/hr cross each other in:

(A) 20 sec

(B) 22 sec

(C) 25 sec

(D) 27 sec

Answer: C) 25 sec

85. Length of a train traveling at 36 km/hr crossing a platform in 48 seconds is:

(A) 120 m

(B) 130 m

(C) 140 m

(D) 150 m

Answer: D) 150 m

86. Speed of a train 275 m long crossing a platform 125 m long in 30 seconds is:

(A) 60 km/hr

(B) 54 km/hr

(C) 50 km/hr

(D) 80 km/hr

Answer: A) 60 km/hr

87. A train 300 m long is running at 54 km/hr. A platform 225 m long is to be crossed. Time taken?

(A) 32 s

(B) 34 s

(C) 36 s

(D) 38 s

Answer: C) 36 s

88. Two trains of length 170 m and 150 m move in opposite direction at 54 km/hr and 36 km/hr respectively. The time taken by the slower train to pass the faster train is:

(A) 18 s

(B) 20 s

(C) 22 s

(D) 24 s

Answer: D) 24 s

89. A train 150 m long running at 72 km/hr passes a man on the platform in:

- (A) 7.5 s
- (B) 8 s
- (C) 9 s
- (D) 10 s

Answer: A) 7.5 s

90. Two trains, one 250 m long and other 300 m long, moving in opposite direction at speeds 54 km/hr and 36 km/hr, cross each other in:

- (A) 22 s
- (B) 24 s
- (C) 26 s
- (D) 28 s

Answer: C) 26 s

91. A train running at 72 km/hr crosses a platform of length 400 m in:

- (A) 30 s
- (B) 35 s
- (C) 40 s
- (D) 45 s

Answer: C) 40 s

92. A train 200 m long running at 54 km/hr crosses a bridge of length 600 m in:

- (A) 48 s
- (B) 49 s
- (C) 50 s
- (D) 51 s

Answer: A) 48 s

93. A train 100 m long moving at 60 km/hr passes a lamp post in:

(A) 6 s

(B) 7 s

(C) 8 s

(D) 9 s

Answer: A) 6 s

94. A train 500 m long runs at 72 km/hr and crosses another train running in opposite direction at 54 km/hr in 30 seconds. Length of second train is:

(A) 450 m

(B) 460 m

(C) 470 m

(D) 480 m

Answer: D) 480 m

95. The speed of a train 60 m long crossing a man in 5 seconds is:

(A) 54 km/hr

(B) 60 km/hr

(C) 50 km/hr

(D) 45 km/hr

Answer: B) 60 km/hr

96. Two trains of length 120 m and 180 m cross a man in 15 and 12 seconds, running opposite directions. Ratio of their speeds?

(A) 3:4

(B) 4:3

(C) 2:3

(D) 3:2

Answer: B) 4:3

97. A train running at 45 km/hr crosses a man in 8 seconds. Length of the train is:

(A) 105 m

(B) 110 m

(C) 120 m

(D) 125 m

Answer: C) 120 m

98. A train 160 m long running at 60 km/hr crosses a platform in 30 seconds. Length of the platform is:

(A) 240 m

(B) 280 m

(C) 260 m

(D) 300 m

Answer: A) 240 m

99. A train 300 m long at 60 km/hr overtakes another train moving at 45 km/hr in 60 seconds. Length of the other train is:

(A) 150 m

(B) 180 m

(C) 200 m

(D) 220 m

Answer: B) 180 m

100. A train running at 72 km/hr crosses a man in 10 seconds. Length of the train is:

(A) 180 m

(B) 190 m

(C) 200 m

(D) 210 m

Answer: A) 180 m