Train Vs Train in Opposite Direction

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

a) 300 m b) 350 m
c) 400 m d) 200 m

2) P and Q starting simultaneously from two different places proceed towards each other at a speed of 20 km/hour and 30 km/hour respectively. By the time they meet each other. Q has covered 36 km more than that of P. The distance (in km.) between the two places is

a) 162 b) 180
c) 108 d) 144

3) Two trains start at the same time from Aligarh and Delhi and proceed towards each other at the rate of 14 km and 21 km per hour respectively. When they meet, it is found that one train has travelled 70 km more than the other. The distance between two stations is

a) 210 km b) 300 km
c) 140 km d) 350 km

4) Two trains of lengths 150m and 180m respectively are running in opposite directions on parallel tracks. If their speeds be 50 km/ hr and 58 km/hr respectively, in what time will they cross each other?

a) 15 seconds b) 30 seconds
c) 11 seconds d) 22 seconds

5) Two trains start at the same time from A and B and proceed toward each other at the speed of 75 km/hr and 50 km/hr respectively. When both meet at a point in between, one train was found to have travelled 175 km more than the other. Find the distance between A and B.

a) 785 km. b) 758 km.
c) 857 km. d) 875 km.

6) Two trains are moving on two parallel tracks but in opposite directions. A person sitting in the train moving at the speed of 80 km/hr passes the second train in 18 seconds. If the length of the second train is 1000 m, its speed is

a) 120 km/hr b) 140 km/hr
c) 150 km/hr d) 100 km/hr

7) Two trains start from stations A and B and travel towards each other at speed of 50 km/hour and 60 km/hour respectively. At the time of their meeting, the second train has travelled 120 km more than the first. The distance between A and B is :

a) 1200 km b) 1320 km
c) 1440 km d) 990 km

8) Two trains, one 160 m and the other 140 m long are running in opposite directions on parallel rails, the first at 77 km an hour and the other at 67 km an hour. How long will they take to cross each other?

a) $7\frac{1}{2}$ seconds b) 6 seconds
c) 10 seconds d) 7 seconds

9) Two trains of equal length, running in opposite directions, pass a pole in 18 and 12 seconds. The trains will cross each other in

a) 15.5 seconds b) 18.8 seconds
c) 20.2 seconds d) 14.4 seconds

10) Two trains start from station A and B and travel towards each other at speed of 16 miles/ hour and 21 miles/ hour respectively. At the time of their meeting, the second train has travelled 60 miles more than the first. The distance between A and B (in miles) is :

a) 496 b) 333
c) 540 d) 444

11) Two trains are running in opposite direction with the same speed. If the length of each train is 120 metres and they cross each other in 12 seconds, the speed of each train (in km/hour) is

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a) 10 b) 36
c) 18 d) 72

12) Two trains, each of length 125 metre, are running in parallel tracks in opposite directions. One train is running at a speed 65 km/hour and they cross each other in 6 seconds. The speed of the other train is
a) 85 km/hour b) 95 km/hour
c) 105 km/hour d) 75 km/hour

13) Two trains of equal length take 10 seconds and 15 seconds respectively to cross a telegraph post. If the length of each train be 120 metres, in what time (in seconds) will they cross each other travelling in opposite direction ?
a) 15 b) 12
c) 10 d) 16

14) Two trains 140 m and 160 m long run at the speed of 60 km/ hour and 40 km/hour respectively in opposite directions on parallel tracks. The time (in seconds) which they take to cross each other, is :
a) 10.8 sec. b) 9 sec.
c) 9.6 sec. d) 10 sec.

15) A man standing on a platform finds that a train takes 3 seconds to pass him and another train of the same length moving in the opposite direction, takes 4 seconds. The time taken by the trains to pass each other will be
a) $3\frac{3}{7}$ seconds b) $4\frac{3}{7}$ seconds
c) $5\frac{3}{7}$ seconds d) $2\frac{3}{7}$ seconds

16) Two trains 150 m and 120 m long respectively moving from opposite directions cross each other in 10 secs. If the speed of the second train is 43.2 km/hr, then the speed of the first train is
a) 50 km/hr b) 52 km/hr
c) 51 km/hr d) 54 km/hr

17) A train running at the speed of 84 km/hr passes a man walking in opposite direction at the speed of 6 km/hr in 4 seconds. What is the length of train (in metre) ?
a) 120 b) 100
c) 90 d) 150

18) Two trains of length 70 m and 80 m are running at speed of 68 km/hr and 40 km/hr respectively on parallel tracks in opposite directions. In how many seconds will they pass each other ?
a) 8 sec b) 5 sec
c) 3 sec d) 10 sec

19) Two trains X and Y start from Jodhpur to Jaipur and from Jaipur to Jodhpur respectively. After passing each other they take 4 hours 48 minutes and 3 hours 20 minutes to reach Jaipur and Jodhpur respectively. If X is moving at 45 km/hr, the speed of Y is
a) 58 km/hr b) 54 km/hr
c) 64.8 km/hr d) 60 km/hr

20) The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels towards B at 60 km/hr. Another train starts from B at 9 a.m. and travels towards A at 75 km/hr. At what time do they meet?
a) 10 : 30 a.m. b) 11 a.m.
c) 11 : 30 a.m. d) 10 a.m.
Therefore, both the trains will meet at
9 + 2 = 11 A.M.

21) Two trains 108 m and 112 m in length are running towards each other on the parallel lines at a speed of 45 km/hr and 54 km/ hr respectively. To cross each other after they meet, it will take
a) 9 sec b) 8 sec
c) 10 sec d) 12 sec

22) Two trains of length 137 metre and 163 metre are running with speed of 42 km/hr and 48 km/hr

respectively towards each other on parallel tracks. In how many seconds will they cross each other?

a) 24 sec b) 12 sec
c) 10 sec d) 30 sec

23) A train, 150m long, passes a pole 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) 48 km/hr b) 52 km/hr
c) 54 km/hr d) 45 km/hr

24) Two places P and Q are 162 km apart. A train leaves P for Q and simultaneously another train leaves Q for P. They meet at the end of 6 hours. If the former train travels 8 km/hour faster than the other, then speed of train from Q is

a) $10\frac{5}{6}$ km/hour b) $9\frac{1}{2}$ km/hour
c) $8\frac{1}{2}$ km/hour d) $12\frac{5}{6}$ km/hour

25) Two towns A and B are 500 km. apart. A train starts at 8 AM from A towards B at a speed of 70 km/ hr. At 10 AM, another train starts from B towards A at a speed of 110 km/hr. When will the two trains meet ?

a) 12 Noon b) 12.30 PM
c) 1.30 PM d) 1 PM

26) Two men are standing on opposite ends of a bridge 1200 metres long. If they walk towards each other at the rate of 5m/minute and 10m/minute respectively, in how much time will they meet each other ?

a) 80 minutes b) 85 minutes
c) 90 minutes d) 60 minutes

27) Two trains 105 metres and 90 metres long, runs at the speed of 45 km/hr and 72 km/hr respectively, in opposite directions on parallel tracks. The time which they take to cross each other, is

a) 6 seconds b) 7 seconds
c) 5 seconds d) 8 seconds

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