1) Train A is in station P in platform no. 4 and train B is in station Q. Distance between the two stations is 3 km. Both the trains are on the same track. Train A starts towards Q and train B towards P. There is a point to change track at a 600-meter distance from station P. Train A changes the track so that train B comes and stops at platform number 4 of station P. Find the distance between the track point to train B when train A crosses the track point. Speed of train A is 72 km/hour and the speed of train B is 36 km/hour?

a) 1422 m   b) 1472 m
c) 2100 m   d) 1596 m

2) Train A crosses a tree in 17.5 seconds and also crosses a 250m long platform in 30 seconds. If the length of train B is 50 m less than that of A and the speed of train B is 18 kmph more than that of A, then find the time taken by train B crosses a 150m long tunnel.

a) 24 seconds   b) 12 seconds
c) 18 seconds   d) 36 seconds

3) The length of train A is 25% more than that of train B and the speed of train A is 20% more than that of B. If train A crosses a tree in 12 seconds and also crosses train B running in the same direction in 162 seconds, then find the speed of train B.

a) 100 kmph   b) 60 kmph

c) 90 kmph   d) 50 kmph

4) Train A crosses 200 m long tunnel in 30 seconds and train B also crosses the same tunnel in 18 seconds and the speed of train B is 50% more than the speed of train A. If the difference between the speed of train A and B is 30 kmph, then find the time taken by train A crosses train B running in same direction?

a) 54 seconds   b) 48 seconds
c) 66 seconds   d) 72 seconds

5) A train crosses a bridge of 400 m in 65 seconds. Speed of train is 36 km/hour. How long it will take to cross a platform of length 350 m?

a) 2 minutes   b) 1 minute
c) 40 second   d) 45 second

6) Train A crosses a platform of length 400 m in 40 sec. Speed of Train A is 20 m/s and length of Train B is two-fifth the length of Train A . Find the length of train B .

a) 160 m   b) 200 m
c) 180 m   d) 220 m

7) A train leaves a station A at 7 am and reaches another station B at 11 am. Another train leaves B to 8 am and reaches A at 11:30 am. The two trains cross one another at

a) 8:36 AM   b) 8:56 AM

c) 9:00 AM   d) 9:24 AM

8) If a train runs with the speed of 84 km/hr, it reaches its destination late by 25 minutes. However, if its speed is 98 km/hr, it is late by 10 minutes only. The right time for the train to cover its journey is –
a) 60 minutes   b) 80 minutes
c) 75 minutes   d) 92 minutes

9) The distance between Navi Mumbai and Kolhapur is 330km on a straight line. 'Koyna Express' starts from Mumbai at exactly 9 pm towards Kolhapur with a speed of 60km/hr. While, 'Mahalaxmi express' starts from Kolhapur at exactly 10 pm towards Mumbai with a speed of 75 km/hr. At what time do these two trains will meet during their travel?
a) 1:00am   b) 10.20 pm
c) 12.30 am   d) 12 midnight

10) Aman's speed with the current is 15 km/hr and the speed of the current is 2.5 km/hr. The man's speed against the current is :
a) 9.5 km/hr   b) 10 km/hr
c) 10.5 km/hr   d) 11 km/hr

11) A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is ?

a) 45 kmph   b) 25 kmph
c) 30 kmph   d) 50 kmph

12) A train 150 m long passes a pole in 15 seconds and crosses another train of the same length travelling in opposite direction in 8 seconds. The speed of the second train in (km/h) is
a) 60 km/hr   b) 66 km/hr
c) 72 km/hr   d) 99 km/hr

13) A goods train runs at the speed of 72 kmph and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?
a) 230 m   b) 240 m
c) 260 m   d) 270 m

14) Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?
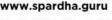a) 10.30   b) 10
c) 8.45   d) 9.30

15) A man sitting in a train which is traveling at 50 kmph observes that a goods train, traveling in opposite direction, takes 9 seconds to pass him. If the goods train is 280 m long, find its speed.?
a) 60   b) 62

c) 64   d) 65

16)   A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is ?
a) 45 kmph   d) 25 kmph
c) 30 kmph   d) 50 kmph

17)   Two trains are running in opposite directions in the same speed. The length of each train is 120 meter. If they cross each other in 12 seconds, the speed of each train (in km/hr) is
a) 42   b) 36
c) 28   d) 20

18) A train of length 110 meter is running at a speed of 60 kmph. In what time, it will pass a man who is running at 6 kmph in the direction opposite to that in which the train is going?
a) 10   b) 8
c) 6   d) 4

19) Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?
a) 10.30   b) 10
c) 8.45   d) 9.30

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

21) 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

22)   A train moves with a speed of 108 kmph. Its speed in metres per second is :
a) 10.8   b) 18
c) 30   d) 38.8

23)   Two trains are moving in opposite directions at 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is ?
a) 42 sec   b) 44 sec
c) 46 sec   d) 48 sec

24)   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/hr   b) 70 km/hr

c) 79 km/hr   d) 79.2 km/hr

a) 230 m   b) 240 m
c) 260 m   d) 320 m

25) 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 they are running in opposite directions ?
a) 10 sec   b) 11 sec
c) 12 sec   d) 8 sec

26) A train covers a distance between station A and station B in 45 min.If the speed of the train is reduced by 5 km/hr,then the same distance is covered in 48 min.what is the distance between the stations A and B ?
a) 80 kms   b) 60 kms
c) 45 kms   d) 32 kms

27) Two trains are moving in the same direction at 72 kmph and 36 kmph. The faster train crosses a girl sitting at window seat in the slower train in 32 seconds. Find the length of the faster train ?
a) 170 m   b) 100 m
c) 270 m   d) 320 m

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

29) The two trains of lengths 400 m, 600 m respectively, running at same directions. The faster train can cross the slower train in 180 sec, the speed of the slower train is 48 kmph. Then find the speed of faster train ?
a) 68 kmph   b) 52 kmph
c) 76 kmph   d) 50 kmph

30) Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is ?
a) 1 : 2   b) 3 : 1
c) 4 : 7   d) 3 : 2

31) Train K crosses a stationary Train L in 50 seconds and a pole in 20 seconds with the same speed. The length of the Train K is 240 meters. What is the length of stationary Train L ?
a) 60 mts   b) 120 mts
c) 240 mts   d) 360 mts

32) Two passenger trains start at the same hour in the day from two different stations and move towards each other at the rate of 16 kmph and 21 kmph respectively. When they meet, it is found that one train ha

traveled 60 km more than the other one. The distance between the two stations is ?

a) 387 kms   b) 242 kms
c) 145 kms   d) 444 kms

33) A train for Fathehpur leaves for every 2 hrs 30 min from Agra station. An announcement was made that train left 37 mins ago and next train comes at 17:00hrs. At what time was the announcement made ?

a) 15:07 hrs   b) 15:20 hrs
c) 15:05 hrs   d) 15:00 hrs

34) Two trains of equal length are running on parallel lines in the same direction at 36 km/hr and 26 km/hr. The faster train passes the slower train in 36 sec. The length of each train is ?

a) 28 mts   b) 54 mts
c) 24 mts   d) 50 mts

35) How much time will a train of length 200 m moving at a speed of 72 kmph take to cross another train of length 300 m, moving at 36 kmph in the same direction ?

a) 58 sec   b) 62 sec
c) 60 sec   d) 50 sec

36) A train is traveling at 48 kmph . It crosses another train having half of its length , traveling in opposite direction at 42 kmph, in 12 seconds. It also passes a railway platform in 45 seconds. What is the length of the platform ?

a) 500   b) 400
c) 360   d) 480

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

a) 48 sec   b) 36 sec
c) 18 sec   d) 72 sec

38) 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) 360 m   b) 420 m
c) 460 m   d) 320 m

39) A train 800 metres long is running at a speed of 78 km/hr. If it crosses a tunnel in 1 minute, then the length of the tunnel (in meters) is :

a) 130   b) 360
c) 500   d) 540

40) An Engine length 1000 m moving at 10 m/s. A bird is flying from engine to end with 'x' m/s and coming back at '2x' m/s. Take total time of bird travelling as 187.5 s. Find x and 2x in km/hr ?

a) 21.4 and 42.8
b) 25.2 and 50.4
c) 31.4208 and 62.8416
d) 33.12 and 66.24