



spardhaguru2022



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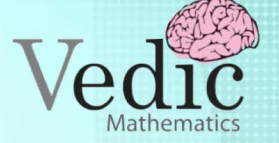
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1) A man in a train notices that he can count 41 telephone posts in one minute. If they are known to be 50 metres apart, then at what speed is the train travelling?

- a) 60 km/hr                      b) 100 km/hr  
c) 110 km/hr                      d) 120 km/hr

2) A man takes 5 hours 45 minutes to walk to a certain place and ride back. He would have saved 2 hours had he ridden both ways. The time he would take to walk both ways is

- a) 3 hours 45 minutes  
b) 7 hours 30 minutes  
c) 7 hours 45 minutes  
d) 11 hours 45 minutes

3) A man takes 5 hours 40 minutes in walking to a certain place and riding back. He would have taken 3 hours less by riding both ways. What would be the time he would take to walk both ways ?

- a) 4 hours 35 minutes  
b) 8 hours 35 minutes  
c) 10 hours  
d) 8 hours 40 minutes

4) A cyclist covers a distance of 750 m in 2 min 30 sec. what is the speed in km /hr of the cyclist ?

- a) 12 km/hr                      b) 15 km/hr  
c) 18 km / hr                      d) 20 km / hr

5) A goods train leaves a station at a certain time and at a fixed speed. After 6 hours, an express train leaves the same station and moves in the same direction at a uniform speed of 90 kmph, this train catches up the goods train in 4 hours. Find the speed of the goods train.

- a) 12 kmph.                      b) 24 kmph  
c) 36 kmph                      d) 42 kmph

6) Two buses start at the same time from Delhi and Agra, which are 300 km. apart, towards each other. After what time will they cross each other if their speeds are 38 km per hour and 37 km per hour?

- a) 4 hours                      b) 3 hours  
c) 5 hours                      d) 6 hours

7) Raj and Prem walk in opposite direction at the rate of 3 km and 2 km per hour respectively. How far will they be from each other after 2 hrs?

- a) 6 km                      b) 8 km  
c) 10 km                      d) 2 km

8) With a uniform speed, a car covers a distance in 8 hours. Had the speed been increased by 4 km/hr, the same distance could have been covered in 7 hours and 30 minutes. What is the distance covered?

- a) 420 km                      b) 480 km  
c) 520 km                      d) 640 km







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9) A train runs at an average speed of 75 km/hr. If the distance to be covered is 1050 km, how long will the train take to cover it

- a) 13 hrs                      b) 15 hrs  
c) 14 hrs                      d) 12 hrs

10) A father and his son start at a point A with speeds of 12 km/h and 18 km/h respectively and reach another point B. If his son starts 60 min after his father at A and reaches B, 60 min before his father, what is the distance between A and B?

- a) 90 km                      b) 72 km  
c) 36 km                      d) None of these

11) Two men P and Q start from a place walking at 5 km/h and 6.5 km/h, respectively. What is the time they will take to be 92 km apart, if they walk in opposite directions?

- a) 2 h                          b) 4 h  
c) 6 h                          d) 8 h

12) The speed of a train is 90 kmph. What is the distance covered by it in 10 minutes?

- a) 15 kmph                      b) 12 kmph  
c) 10 kmph                      d) 5 kmph

13) 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

14) 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

15) 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) 966 km

16) 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

17) 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) 9 sec  
c) 8 sec                          d) 7 sec

18) How many seconds will a train 100 meters long take to cross a bridge 150







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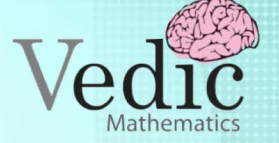
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meters long if the speed of the train is 36 kmph?

- a) 18                      b) 22  
c) 25                      d) 28

19) 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

20) . A train leaves Delhi at 9 a.m. at a speed of 30 kmph. Another train leaves at 2 p.m. at a speed of 40 kmph on the same day and in the same direction. How far from Delhi, will the two trains meet?

- a) 300 km                      b) 400 km  
c) 600 km                      d) None

21) How long does a train 165 meters long running at the rate of 54 kmph take to cross a bridge 660 meters in length?

- a) 45 sec                      b) 75 sec  
c) 55 sec                      d) 54 sec

22) Two trains 121 meters and 165 meters in length respectively are running in opposite directions, one at the rate of 80 km and the other at the rate of 65 kmph. In what time will they be completely clear of each other from the moment they meet?

- a) 7 sec                      b) 8.12 sec  
c) 7.25 sec                      d) 7.15 sec

23) The distance between Delhi and Mathura is 110 kms. A starts from Delhi with a speed of 20 kmph at 7 a.m. for Mathura and B starts from Mathura with a speed of 25 kmph at 8 p.m. from Delhi. When will they meet?

- a) 10.30 a.m.                      b) 10.00 a.m.  
c) 9.30 a.m                      d) 9.00 a.m.

24) A train of 24 carriages, each of 60 meters length, when an engine also of 60 meters length is running at a speed of 60 kmph. In what time will the train cross a bridge 1.5 km long?

- a) 1 ½ mins                      b) 3 mins  
c) 3 ½ mins                      d) 7 mins

25) A motorcyclist goes from Bombay to Pune, a distance of 192 kms at an average of 32 kmph speed. Another man starts from Bombay by car 2 ½ hours after the first, and reaches Pune ½ hour earlier. What is the ratio of the speed of the motorcycle and the car?

- a) 1:2                      b) 1:3  
c) 10:27                      d) 5:4

26) A 600 meter long train crosses a signal post in 40 seconds. How long will it take to cross a 3 kilometer long bridge, at the same speed?





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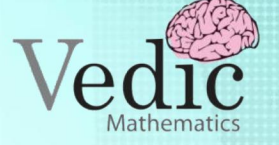
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- a) 4 min
- b) 5 min
- c) 3 min 4 sec
- d) Data inadequate

27) How long does a train 110 m long traveling at 60 kmph takes to cross a bridge of 170 m in length?

- a) 1.68 sec      b) 15 sec
- c) 16 sec      d) 16.8 sec

28) . A train sets off at 2 p.m. at the speed of 70 kmph. Another train starts at 3:30 p.m. in the same direction at the rate of 85 kmph. At what time the trains will meet?

- a) 9.30 p.m.      b) 8.30 p.m
- c) 10.30 p.m      d) 10.45 p.m.

29) A train passes a man standing on the platform. If the train is 170 meters long and its speed is 72 kmph, how much time it took in doing so?

- a) 10 ½ sec      b) 9 ½ sec
- c) 8 ¾ sec      d) 8 ½ sec

30) A train 540 meters long is running with a speed of 54 kmph. The time taken by it to cross a tunnel 180 meters long is?

- a) 40 sec      b) 44 sec
- c) 48 sec      d) 52 sec

