TIME AND DISTANCE

1. Two places P and Q are 150 km apart. A train leaves P for Q at the same time another trains leaves from Q for P.Both the trains meet 5 hrs after they start moving. If the train travelling from P travels 10kmph faster than the other train, what is the speed of faster train?							
(a) 25 kmph	(b) 20kmph	(c) 5 kmph	(d)10kmph	(e)None			
2. Khalid left for Kanpur from Aligarh at 9:30 am. He travelled at the speed of 60 kmph for 2 hrs 15 min. After that the speed was reduced to 40 kmph. If the distance between the two cities is 285km, at what time did Khalid reach?							
(a) 3:30 pm	(b) 3:00 pm	(c) 2:30 pm	(d)4:00pm	(e)None			
3. A monkey tries to ascend a pole, 21 m in length. He ascend 3 meters in first minute and slips down 2 meter in alternate minutes, If he continues to ascend in this fashion, how long will he take to reach to the top?							
(a) 36 min	(b) 37 min	(c) 42 min	(d) 40 min	(e)None			
4. A thief is spotted by a policemen from a distance of 65 meters. When police starts the chase, the thief also starts running. If the speed of thief is 10 m/s and speed of policemen is 12.5 m/s, how far will have the thief run before he is overtaken?							
(a) 130m	(b) 260m	(c) 26m	(d) 13m	(e)None			
5. A car covers the first 150 km in 3 hr, the next 100 km in 5hr and the remaining 60km in 2hr. What is the average speed of the car?							
(a) 31 km/h	(b) 33km/h	(c) 36 km/h	(d) 39 km/h	(e)None			
6. The average speed of the car is $1\frac{4}{5}$ times the average speed of a bus. A tractor covers 575 km in 23							
hr. How much diatance (a) 340 km	will the car cover in 4 hr (b) 480 km	(c) 360 km	s twice speed of (d)450km	the tractor? (e)None			
7. A train starts with the speed of 40 km/h with its speed increasing every hour by 10 km/h. In how many hours will it cover 185 km?							
(a) $3\frac{1}{8}$ hr		(c) $3\frac{1}{2}$ hr	(d) $3\frac{5}{6}$ hr	(e)None			
8. A certain distance is covered at a certain speed. If the double the distance is covered in 3/4 of the time, the ratio of the two speeds is:							
(a) 3:8	(b) 3:5	(c) 1:4	(d) 4:5	(e)None			
9. Two men starting from the same place walk at the rate of 5 km/h and 5.6 km/h, respectively. What time will they take to be 3 km apart, if they walk in same direction?							
(a) 3hr	(b) 4hr	(c) 5 hr	(d) 6 hr	(e)None			
10. A walks 3 km/h and 4 hr after his start, B cycles after him at 5 km/h. How far from the start does B catch up with A?							
(a)30 km	(b) 34 km	(c) 36 km	(d) 38 km	(e)None			

	A and B respectively and By the time they meet, the		-			
(a) 170 km	(b) 180 km	(c) 190 km	(d) 200 km	(e)None		
	A to B and another from arney in $3\frac{1}{2}$ and $2\frac{4}{7}$ hrs re		_			
find the speed of the se	2 /	spectively. If the speed (of the first is oo k	m/m, then		
(a) 65 km/h	(b) 50 km/h	(c) 70 km/h	(d) 75 km/h	(e)None		
•	ound an square shaped fie h side respectively and re	-	-			
(a) 21.8 km/h	(b) 25 km/h	(c) 19.2 km/h	(d) 22.2 km/h	(e)None		
14. A boy walking at 3 reach the school.	/5 of his usual speed, rea	ches his school 14 min la	ate. Find his usua	l time to		
(a) 15 min	(b) 7 min	(c) 28 min	(d) 21 min	(e)None		
	peed of 30 km/h the speed ocover a distance of 288		4 km/h in every	2 hrs. How		
(a) 4	(b) 6	(c) 12	(d) 8	(e)None		
16. There are 20 poles with a constant distance between each pole. A car takes 24 sec to reach the 12 th pole. How much time will it take to reach the last pole?						
(a) 25.25 sec	(b) 17.45 sec	(c) 35.75 sec	(d)41.45sec	(e)None		
17. A man is walking with the speed of 10 km/h. After every km, he takes rest for 5 min. How much time will be taken to cover a distance of 5 km?						
(a) 48 min	(b) 50 min	(c) 45 min	(d) 55 min	(e)None		
18. On a journey across Bombay, a tourist bus averages 10 km/h for 20% of the distance, 30 km/h for 60% of it and 20 km/h for the remainder. The average speed for the whole journey was:						
(a) 10 km/h	(b) 30 km/h	(c) 5 km/h	(d) 20 km/h	(e)None		
	a train travels certain dise same distance with an a		•			
their starting point and	they met 1 st time at 15 km/hr (c)135km/hr	m from B. if the difference 60 km apart?	•			