

Time, Speed & Distance

Practice Exercise

- 1) A person walks from town A to town B at 7.5 kmph. Another person travels the same distance on a cycle at a speed of 30 Kmph and reached 30 mins earlier. Find the distance.
a) 10 km b) 5 km c) 15 km d) 20 km
- 2) A person left a city P to city Q in a car at 8.00 a.m. He travelled at a speed of 90 km/hr for 3 hours. After that the speed was reduced to 80 km/hr. If the distance between the cities is 510 kms., at what time did he reach city Q?
a) 2.00 p.m. b) 12.30 p.m. c) 1.00 p.m. d) 1.30 p.m.
- 3) Walking at $\frac{3}{4}$ of his usual speed, a man is 16 minutes late for his office. The usual time taken by him to cover that distance is:
a) 32 minutes b) 60 minutes c) 42 minutes d) 48 minutes
- 4) Walking at a speed of 5 kmph, a man reaches his office 6 minutes late. Walking at 6 kmph, he reaches there 2 minutes early. The distance of his office is:.
a) 4 km b) 3 km c) 5 km d) 10 km
- 5) When a local train travels at a speed of 60 kmph, it reaches the destination on time. When the same train travels at speed of 50 kmph, it reaches its destination 15 minutes late. What is the length of journey?
a) 40 km b) 60 km c) 75 km d) 40 km
- 6) A man travels a distance of 24 km at 70 kmph, another distance of 24 km at 30 kmph. His average speed for the whole journey is:
a) 48 kmph b) 42 kmph c) 50 kmph d) 54 kmph
- 7) A car travels first 300 kms at an average rate of 30 kmph and further the same distance at an average rate of 60 kmph. Determine the average speed of the car over the whole journey.
a) 40 kmph b) 45 kmph c) 42 kmph d) 35 kmph
- 8) Farooq has to reach a certain place at a certain time, he observes that he reaches 15 min late with speed 4 kmph, and if he walks at 6 kmph he reaches 10 min earlier, How far he has to walk?
a) 25 km b) 5 km c) 10 km d) 15 km

- 9) In a voyage of 600 km, a ship was slowed down due to bad weather and storm in Ocean. Its average speed for the trip was reduced by 200 km/hr, and the time of trip increased by 30 minutes. What would be the duration of the voyage?
- a) 2 hours b) 1 hour c) $2\frac{1}{3}$ hours d) $3\frac{1}{2}$ hours
- 10) Train A leaves Mumbai station at 6 am with a speed of 60 kmph towards Hyderabad. Another train B leaves Hyderabad at 8 am with the speed of 90 kmph towards Mumbai. How many kilometers from Hyderabad will trains cross each other, If the distance between Mumbai and Hyderabad is 600 km.
- a) 375 km b) 288 km c) 360 km d) 240 km
- 11) Two, trains, one from Hyderabad to Patna and the other from Patna to Hyderabad, start simultaneously. After they meet, the trains reach their destinations after 9 hours and 16 hours respectively. The ratio of their speeds is:
- a) 4 : 3 b) 3 : 4 c) 3 : 2 d) 5 : 4
- 12) An Old man and a Young man are working together in an office and staying together in a nearby apartment. The old Man takes 30 minutes and the young 20 minutes to walk from apartment to office. If one day the old man started at 10:00 am and the young man at 10:05 am from the apartment to office, when will they meet:
- a) 10:15 am b) 10:30 am c) 10:45 am d) 10:55 am
- 13) Two trains leave from Bangalore to Mysore at 9 am and 9:30 am at the speed of 36 kmph and 54 kmph respectively. At what distance from Bangalore will the two trains be together?
- a) 40 km b) 30 km c) 50 km d) 54 km
- 14) Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?
- a) 12 minutes b) 20 minutes c) 10 minutes d) 15 minutes
- 15) A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 kmph and second half at the rate of 24 kmph. Find the total journey in km?
- a) 121 km b) 224 km c) 224 km d) 112 km
- 16) In covering a distance of 30 km, Arun takes 2 hours more than Anil. If Arun doubles his speed, then he would take 1 hour less than Anil. What is Arun's speed?
- a) 8 kmph b) 5 kmph c) 20 kmph d) 10 kmph

- 17) A man covered a certain distance at some speed. If he had moved 3 kmph faster, he would have taken 40 minutes less. If he had moved 2 kmph slower, he would have taken 40 minutes more. What is the distance in km?
- a) 36 kms b) 38 kms c) 40 kms d) 42 kms
- 18) Arun is travelling on his cycle and has calculated to reach village at 11 am if he travels at 20 kmph. He will reach there at 10 am if he travels at 30 kmph. At what speed must he travel to reach A at 10:30 am?
- a) 28 kmph b) 15 kmph c) 22 kmph d) 24 kmph
- 19) While walking $\frac{7}{5}$ times his normal speed, Arun reaches his destination 40 minutes early. What is normal time?
- a) 2 hours b) 2 hours, 40 mins c) 2 hours, 30 mins d) 2 hours, 20 mins
- 20) Gogi walks from his home to his school at a speed of 5 kmph, and reaches 30 minutes late, and next day he increases his speed by 1 kmph, and still reaches 5 minutes late. Find the distance of his home to his school?
- a) 12.5 km b) 25 km c) 20 km d) None of these



Check the Answers

1	B	6	B	11	A	16	B
2	A	7	A	12	A	17	C
3	D	8	B	13	D	18	D
4	A	9	B	14	C	19	D
5	C	10	B	15	B	20	A