1) Three cars travelled distance in the ratio 1 : 2 : 3. If the ratio of the time of travel is 3 : 2 : 1, then the ratio of their speed is

a) 1 : 3 : 9 b) 1 : 2 : 4
c) 4 : 3 : 2 d) 3 : 9 : 1

2) In covering a certain distance, the speed of A and B are in the ratio of 3 : 4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is:

a) $1\frac{1}{2}$ hours b) 2 hours
c) $2\frac{1}{2}$ hours d) 1 hour

3) A certain distance is covered by a cyclist at a certain speed. If a jogger covers half the distance in double the time, the ratio of the speed of the jogger to that of the cyclist is

a) 4 : 1 b) 1 : 2
c) 2 : 1 d) 1 : 4

4) A train starts from A at 7 a.m. towards B with speed 50 km/h. Another train starts from B at 8 a.m. with speed 60 km/h towards A. Both of them meet at 10 a.m. at C. The ratio of the distance AC to BC is

a) 5 : 4 b) 6 : 5
c) 4 : 5 d) 5 : 6

5) A truck covers a distance of 550 metre in one minute where as a bus covers a distance of 33 km in $\frac{3}{4}$ hour. Then the ratio of their speeds is :

a) 2 : 3 b) 3 : 4
c) 1 : 4 d) 1 : 3

6) A cyclist, after cycling a distance of 70 km on the second day, finds that the ratio of distance covered by him on the first two days is 4 : 5. If he travels a distance of 42 km. on the third day, then the ratio of distance travelled on the third day and the first day is :

a) 3 : 2 b) 3 : 4
c) 2 : 3 d) 4 : 3

7) A and B run a 5 km race on a round course of 400 m. If their speed are in the ratio 5 : 4, the number of times the winner passes the other, is

a) 2 b) 3
c) 5 d) 1

8) The speed of A and B are in the ratio 3 : 4. A takes 20 minutes more than B to reach a destination. In what time does A reach the destination ?

a) 2 hours b) $2\frac{2}{3}$ hours
c) $1\frac{2}{3}$ hours d) $1\frac{1}{3}$ hours

9) The ratio of length of two trains is 5 : 3 and the ratio of their speed is 6 : 5. The ratio of time taken by them to cross a pole is

a) 11 : 8 b) 25 : 18
c) 27 : 16 d) 5 : 6

10) It takes eight hours for a 600 km journey, if 120 km is done by train and the rest by car. It takes 20 minutes more, if 200 km is done by train and the rest by car. The ratio of the speed of the train to that of the car is :

a) 3 : 4 b) 4 : 3
c) 4 : 5 d) 3 : 5

11) Two trains started at the same time, one from A to B and the other from B to A. If they arrived at B and A respectively 4 hours and 9 hours after they passed each other, the ratio of the speed of the two trains was

a) 3 : 2 b) 4 : 3
c) 5 : 4 d) 2 : 1

12) A car travels 80 km. in 2 hours and a train travels 180 km. in 3 hours. The ratio of the speed of the car to that of the train is :

a) 3 : 2 b) 3 : 4
c) 4 : 3 d) 2 : 3

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13) It takes 8 hours for a 600 km journey, if 120 km is done by train and the rest by car. It takes 20 minutes more if 200 km is done by train and the rest by car. The ratio of the speed of the train to that of the car is

a) 3 : 2 b) 3 : 4
c) 4 : 3 d) 2 : 3

14) The speeds of three cars are in the ratio of 1 : 3 : 5. The ratio among the time taken by these cars to travel the same distance is

a) 15 : 3 : 5 b) 15 : 5 : 3
c) 5 : 3 : 1 d) 3 : 5 : 15

15) A truck covers a distance of 550 metres in 1 minute whereas a bus covers a distance of 33 kms in 45 minutes. The ratio of their speed is :

a) 3 : 5 b) 3 : 4
c) 50 : 3 d) 4 : 3

16) The speed of two trains are in the ratio 6 : 7. If the second train runs 364 km in 4 hours, then the speed of first train is

a) 72 km/hr b) 78 km/hr
c) 84 km/hr d) 60 km/hr

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