

Time and Distance



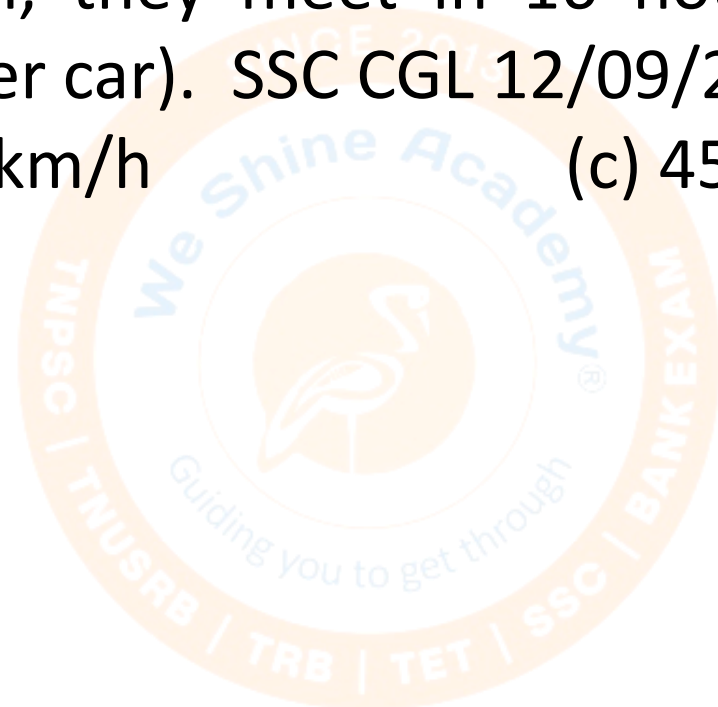
Two cars, X and Y, start from points 320 km apart and travel at constant speeds. If they move towards each other, they meet in 8 hours. If they move in the same direction, they meet in 16 hours. What is the speed of car X? (Assume X is the faster car). SSC CGL 12/09/2025 (Shift 1)

(a) 30 km/h

(b) 35 km/h

(c) 45 km/h

(d) 90 km/h



A car travels 0.687 km in 1 minute. How far does it travel in 1 hour 45 minutes ? SSC CGL 12/09/2025 (Shift 3)

(a) 72.135 km

(b) 71.574 km

(c) 75.146 km

(d) 70.133 km



Aditya and Harish are jogging around a park's circular track which has a perimeter of 1.2 km. They start from the same point at 6:00 a.m. and run in opposite directions. Aditya's speed is 5 km/h, and Harish's speed is 7 km/h. At what time will they meet for the fifth time? SSC CGL 13/09/2025 (Shift 1)

(a) 6:00 AM

(b) 6:30 AM

(c) 6:40 AM

(d) 7:15 AM

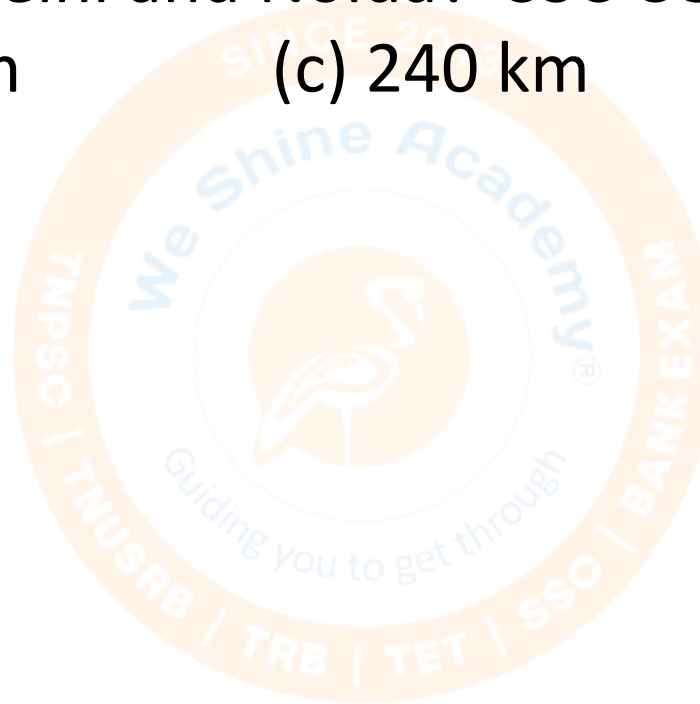
A man travels from Delhi to Noida. If he travels at 60 km/h, he arrives 1 hour early. If he travels at 40 km/h, he arrives 1 hour late. What is the distance (in km) between Delhi and Noida? SSC CGL 13/09/2025 (Shift 2)

(a) 250 km

(b) 220 km

(c) 240 km

(d) 280 km



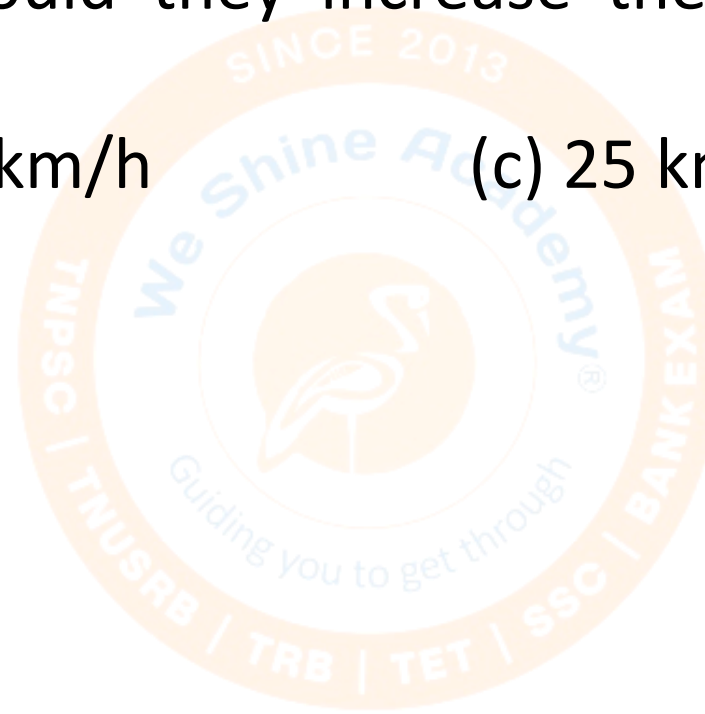
A cyclist travels from City A to City B at an average speed of 40 km/h and takes 8 hours. If they want to complete the same journey in 5 hours, by what amount (in km/h) should they increase their average speed? SSC CGL 14/09/2025 (Shift 1)

(a) 24 km/h

(b) 20 km/h

(c) 25 km/h

(d) 18 km/h



A train leaves Station P at 5:00 AM and travels towards Station Q at a constant speed of 60 km/h. Another train leaves Station Q at 7:00 AM and travels towards Station P at a constant speed of 90 km/h. The distance between the two stations is 540 km. At what time will the two trains meet ?

SSC CGL 14/09/2025 (Shift 1)

- (a) 12 : 45 PM (b) 10 : 45 AM (c) 11 : 48 AM (d) 9 : 48 AM

The speeds of two motorcyclists are in the ratio 4 : 3. If the slower motorcyclist has a 27 km head start, and his speed is 18 km/h, how far (in km) will the faster motorcyclist travel to overtake him? SSC CGL 20/09/2025 (Shift 2)

(a) 80 km

(b) 90 km

(c) 108 km

(d) 72 km



A train starts from a place Mumbai at 6 a.m. and arrives at Kolhapur at 2:30 p.m. on the same day. If the speed of the train is 120 km per hour, find the distance traveled by the train. SSC CGL 23/09/2025 (Shift 3)

(a) 900 km

(b) 980 km

(c) 1020 km

(d) 1000 km



A train covers 3 equal distances at speeds in the ratio 2 : 3 : 5 . What is the ratio of the average speed over the entire journey to the lowest speed ? SSC CGL 26/09/2025 (Shift 2)

(a) 15 : 14

(b) 60 : 31

(c) 45 : 31

(d) 60 : 13



Riya crosses a road 150 metres wide in 75 seconds. Her speed in km/hr is:

SSC CGL 23/09/2025 (Shift 1)

(a) 7.0 km/h

(b) 7.1 km/h

(c) 7.2 km/h

(d) 7.5 km/h



A cyclist has to cover 160 km. After cycling for 9 hours and 36 minutes, he finds that he has completed $\frac{3}{4}$ of the total distance. What is his speed in km/h? SSC CGL 15/09/2025 (Shift 2)

(a) 15.45 km/h

(b) 16 km/h

(c) 12.5 km/h

(d) 10 km/h



A large, faint watermark of the Weshine Academy logo is centered in the background. The logo is circular with an orange border. Inside the border, the text "SINCE 2013" is at the top, "Weshine Academy" is in the middle, and "Guiding you to get through" is at the bottom. The outer ring of the logo contains the text "TNUSRB | TRB | TET | SSC | BANK EXAM".

Thank You