

[17-01-19-B]

PRACTICE 6G

1. Tina took 2 hours to drive from Town P to Town Q at an average speed of 70 km/h. On her way back, she drove at an average speed of 80 km/h. If she left Town Q at 3:00 p.m., what time did she reach Town P?
2. A van and a car both traveled a distance of 190 km from Rose Town to Orchid Town. The car left Rose Town 50 minutes after the van, but it arrived at Orchid Town 20 minutes earlier than the van. If the average speed of the van was 60 km/h, find the average speed of the car.
3. Ricardo drove a distance of 120 km from Town P to Town Q at an average speed of 40 km/h. On his way back, he drove at an average speed of 60 km/h. Find his average speed for the whole trip.
4. Mr. Jackson drove a distance of 250 km from Town A to Town B. He left Town A at 9:00 a.m. and arrived at Town B at 1:30 p.m. If his average speed for the first $\frac{3}{5}$ of the trip was 60 km/h, find his average speed for the remaining trip.
5. Nicky drove from Town X to Town Y. He took $\frac{1}{2}$ hour to cover $\frac{1}{4}$ of the trip at an average speed of 70 km/h. How long did he take to cover the remaining trip if his average speed for the whole trip was 80 km/h?
6. Mr. Banks drove a distance of 80 km from Town X to Town Y. For the first 40 minutes, he drove at an average speed of 72 km/h. His average speed for the remaining trip was 64 km/h. If he arrived at Town Y at 10:00 a.m., what time did he leave Town X?
7. Two towns, A and B, are 20 km apart. At 12:00 noon, Peter left Town A and cycled towards Town B at 15 km/h. At the same time, Henry left Town B and cycled towards Town A at 12 km/h along the same road. Find the distance between Peter and Henry at 12:40 p.m.