7. John and Paul set off from town X to town Y, at constant speeds of 90 km/h and 60 km/h respectively, at the same time. How far apart were they after $2\frac{1}{2}$ hours?

8. A motorcyclist left town X to town Y at a constant speed of 96 km/h and then continued from town Y to town Z at a constant speed of 108 km/h. If he took 1 h 12 min to travel from town X to town Y and 1 h 20 min to travel from town Y to town Z, find the total distance he covered.

9. Town A and town B were 150 km apart. Richard drove from town A to town B at an average speed of 60 km/h. How much earlier would he have arrived at town B if he had travelled at an average speed of 80 km/h instead?

10. A car started from town A at a constant speed of 80 km/h towards town B. A truck started from town B at a constant speed of 55 km/h towards town A. If both the car and truck started their journeys at 6:45 p.m. and passed each other at 9:05 p.m., find the distance between town A and town B.

11. A motorcycle and a car were 400 km apart. They started travelling towards each other at 4:00 p.m. at uniform speeds. The motorcycle was travelling at a uniform speed of 100 km/h and it passed the car at 6:30 p.m. Find the speed of the car.

12. At 3:15 p.m., Marcus set off from town A to town B at a constant speed of 72 km/h while Jason set off from town B to town A at a constant speed of 96 km/h. At 4:30 p.m., they had passed each other and were 24 km apart. Find the distance between towns A and B.