7. 2 trains one started from Hownah & other from Delhi at the same time to their opp, direction. After their crowing, they weach dest. in 4 hrs & in 9 hrs. respectively. What is the velocity of 2 train

$$\frac{\gamma}{y} = \sqrt{\frac{9}{4}} = \frac{3}{2} = 3:2.$$

8. 2 train one started from Howrah & other from Delhi at the same time to opp. direction with a speed of 60k/hr & 40 km/hr respectively. If the distance between thowah & Delhi is 1000 km. Then when & where they will thowah & Delhi is 1000 km. Then when & where they will meet?

$$t = \frac{1000}{60 + 40} = 10 \, \text{km/h}.$$

9. 2 trains one started from Howrah other from Delhi to their off. direction with speed of 40 km/h. \$60 km/h. Second train started 4 hrs after 1st train if the dist between Howrah & Delhi is 1000 km, then when and where they will met.

(Rule -
$$\frac{11}{8}$$
) $t = \frac{1000 + 4 \times 60}{60 + 40} = \frac{1240}{100} = 12.4 \text{ km/h}.$

Section-B (conceptional Problem):

1. At the same time a dog jumps 5 steps. But ahare 9 steps. Dist. cover by dog in 3 steps is equal the distance cover by the hare in 7 steps are equal. What is speed ratio of dog & hare?