3. A train 1200m long moving with a speed 40m/sec. Another train which is 200m ahead from first train 800m long moving in a same direction with a speed of 800m long moving in a same direction with a speed of 20 m/s. Find out what time is requaired to cross the 20 m/s. Find out what time is requaired to cross the 20 m/s. Find out what time is requaired to cross the 20 m/s.

(from null 3)
$$40-20 = \frac{1200 + 200 + 800}{t}$$

$$20 = \frac{2200}{t}$$

4. A boy went to his school with a speed of 40 km/h & return 60 km/h. What is the arg. speed of the boy.

(Rule 5) any speed =
$$\frac{2 \times 60 \times 40}{60 + 40}$$
 = 48 km/h .

5. A boat takes & hours to cover 400 km in downstream and takes 12 hours to cover same distance in upstriam what is speed of boat in stream water & speed of sheam.

6. A boat takes 4 hm to cover certain distance in Down Sheam and takes 5 hm to cover same distance in upsheam What is the ratio of boat in stream water to speed of stream.

(Rule-9) $\frac{V}{V} = \frac{9}{8} \frac{5+4}{1-4} = \frac{9}{1} = \frac{9}{1}$