**QUESTION :**

Two trains of equal length are running on parallel lines in the same direction at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is ?

**ANSWER :**

50 meter

**STRATEGY :**

Let the length of each train is x meter

Distance will be x+x = 2x

Relative Speed = 46-36 = 10 km/hr

= 10\*(5/18) = 25/9 m/sec

Distance = Speed\*Time

2x=25/9∗36

2x=100 =>x=50

So length of both the trains are 50 meters.