**QUESTION :**

A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 km/hr, the time taken by it to cover the same distance will be :

**ANSWER :**

13 minutes 20 seconds.

**STRATEGY :**

Speed of train = Distance/Time = 10/(12/60) km/h

= 10 X 60 / 12 = 50km/h

New Speed = 45 km/h

Required Time = 10/45 hour = 2/9 X 60 minutes = 40/3 minutes = 13 minutes 20 seconds.