**QUESTION :**

A 270 metres long train running at the speed of 120 kmph crosses another train running in opposite direction at the speed of 80 kmph in 9 seconds. What is the length of the other train?

**ANSWER :**

230 metres

**STRATEGY :**

Relative speed = (120 + 80) km/hr

=200 x (5/18) m/sec

=500/9 m/sec.

Let the length of the other train be x metres.

Then, (x + 270)/9=500/9

x + 270 = 500

x = 230.