**Q2.** A meter ruler moves past an observer on the earth with a velocity of 2.5 ×1010 cm/ sec, along the direction of its length. What is its apparent length with respect to the observer?

**Given:-** = 1.0m ; v=2.5× 108m/s

**Formula:-**

**Solution :-** =1.0 =55.27cm

**Ans:- The apparent length of the moving ruler is 55.27cm.**