Related Questions with Solutions

Questions

Quetion: 01

S_1, S_2 are foci of an ellipse of major axis of length 10 units and P is any point on the ellipse such that perimeter of triangle PS_1S_2 is 15. Then eccentricity of the ellipse is

A. 0.5

B. 0.25

C. 0.28

D. 0.75

Solutions

Solution: 01

$2a[1 + e] = 15$

$1 + e = \dfrac{3}{2}$

$e = 0.5$

Correct Options

Answer:01

Correct Options: A