



Introduction to Algebra Ex 8.2 Q4

Answer :

Present number of bacteria in a culture = x

Number of bacteria in the culture after one week = x^2

Number of bacteria in the culture after two weeks = $(x^2)^2 = x^4$

Introduction to Algebra Ex 8.2 Q5

Answer :

Breadth of the given rectangle = x cm

Length of the rectangle = $\frac{2}{3}x$ cm

\therefore Area of the rectangle = $\frac{2}{3}x \times x = \frac{2}{3}x^2 \text{ cm}^2$

Introduction to Algebra Ex 8.2 Q6

Answer :

Total number of chairs = Number of rows \times Number of chairs in each row
 $= x \times x^2$
 $= x^3$

***** END *****