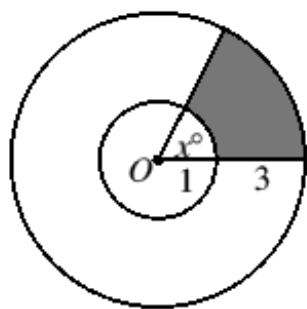




14. The point O is the centre of both circles and the shaded area is one-sixth of the area of the outer circle.
What is the value of x ?

A 60 B 64 C 72 D 80 E 84



0784



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14. **B** The shaded area is $\frac{x}{360}(\pi \times 4^2 - \pi \times 1^2) = \frac{15\pi x}{360} = \frac{\pi x}{24}$. So $\frac{\pi x}{24} = \frac{\pi \times 4^2}{6}$; thus $x = 64$.