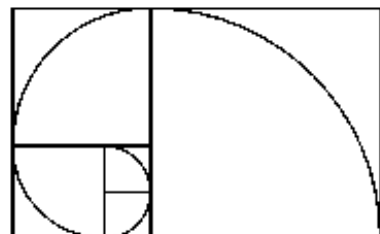




13. Five square tiles are put together side by side. A quarter circle is drawn on each tile to make a continuous curve as shown. Each of the smallest squares has side-length 1. What is the total length of the curve?

A 6π B 6.5π C 7π D 7.5π E 8π



1683



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13. A A quarter circle of radius r has length $\frac{2\pi r}{4}$ which is $\frac{\pi r}{2}$. The total length of the curve shown is then $\frac{\pi}{2}(1 + 1 + 2 + 3 + 5)$ which is 6π .