

Question: Which of the following is equivalent to 48 degrees?

- A. 0.23π
- B. 0.24π
- C. 0.26π
- D. 0.27π

Solution: $\text{angle in radians} = \text{angle in degrees} * \frac{\pi}{180^\circ}$. Therefore, we have, that angle's measure in radians is $48 \frac{\pi}{180} = 0.2(6)\pi$. Rounding $0.2(6)$ to hundredths, we get 0.27π .

Answer: D. 0.27π