Evaluate $\lim\limits_{x \to 0} \dfrac{\sin x^{\circ}}{x}$.

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$$\lim\limits_{x \to 0} \dfrac{\sin x^{\circ}}{x} = \lim\limits_{x \to 0} \dfrac{\sin\left(\dfrac{\pi}{180} \cdot x^{c}\right)}{x}$$

$$= \lim\limits_{x \to 0} \dfrac{\sin\left(\dfrac{\pi}{180} \cdot x^{c}\right)}{\dfrac{\pi}{180} \cdot x} \cdot \dfrac{\pi}{180}$$

$$= \dfrac{\pi}{180}$$