If one of these F\textsubscript{1} heterozygote plants self-fertilizes what type of offspring will be produced?

A  All offspring will be white-flowered.

B  Half the offspring will be white-flowered and half will be purple-flowered.

C  Three quarters of the offspring will be purple-flowered and one quarter will be white-flowered.

D  All offspring will be purple-flowered.
There will be a 3:1 ratio of purple-flowered to white-flowered plants.

Answer C.

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