

Since $\frac{8^3}{8^5} = 8^{3-5} = 8^{-2}$ and $\frac{8^3}{8^5} = \frac{8 \cdot 8 \cdot 8}{8 \cdot 8 \cdot 8 \cdot 8 \cdot 8} = \frac{1}{8^2}$, we define 8^{-2} to be _____.

A) $8-2$

B) 8×2

C) 8^2

D) $\frac{1}{8^2}$

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Answer **D**

gfbj'04'02'10 2006-11-20