$\sqrt[n]{a\,b} =$ _____ .

A) $(a\,b)^n$

B) $\sqrt[n]{a}\,\sqrt[n]{b}$

C) $\dfrac{\sqrt[n]{b}}{\sqrt[n]{a}}$

D) $\dfrac{\sqrt[n]{a}}{\sqrt[n]{b}}$

$\sqrt[n]{a\,b} = \sqrt[n]{a}\,\sqrt[n]{b}.$

Answer **B**.