

ZMATH 2009c.00271

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Spatial reasoning and Polya's five planes problem.

Math. Teach. (Reston) 102, No. 2, 128-137 (2008).

Summary: Middle and High school students of the twenty-first century possess surprising powers of spatial reasoning. They are assisted by technologies not available to earlier generations. Both of these assertions are demonstrated by students who are challenged with George Polya's classic Five Planes Problem. (Contains 5 figures.) (ERIC)

Classification: D50 C30 G40

Keywords: spatial ability; problem solving; philosophy; geometry; geometric concepts; visualization; educational technology; high school students