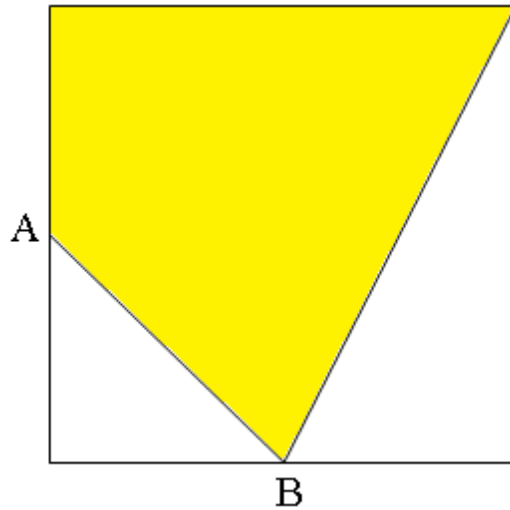


The Gold Bullion Problem



Suppose the square piece of gold shown here is worth \$1000. Point A and point B are the midpoints of adjacent sides of the square. What would be the value of the shaded part?

[Source: *Mathematics Teaching in the Middle School*, volume 10, number 3, October 2004]