

Given the sequence of numbers below, what number would be the 7th term?

4, 7, 12, 19, , , ____ .

- a. 28
- b. 39
- c. 52
- d. 6

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Molly and Aubrey are comparing their allowances. Each week, Molly is given \$6.00 to spend with her friends. This is \$1.00 more than half of what Aubrey is given by her parents. If m represents Molly's allowance, which of the following equations could be used to find Aubrey's allowance(a)?

- a. $m=2a+ \$1.00$
- b. $2m=a- \$1.00$
- c. $a/2=m- \$1.00$
- d. $2a= 2(m+\$1.00)$

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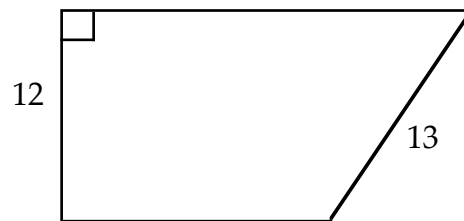
At our last school dance, a student ticket was \$4.00 and the adult ticket was \$5.00. The cost of the band was \$300.00. How would you calculate the profit (P) generated by the dance?

- a. $P=\$5.00a + \$4.00s$
- b. $P=\$5.00a + \$4.00s - \$300.00$
- c. $P=\$5.00a + \$4.00s + \$300.00$
- d. $P=\$1.00(a \times s) - \300.00

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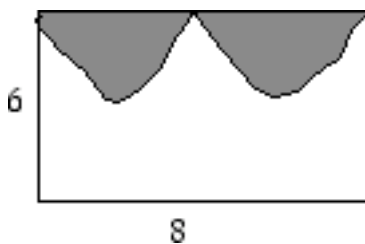
The perimeter of the trapezoid-shaped garden plot below is 52 feet. How many square feet of plastic is needed to precisely cover it?



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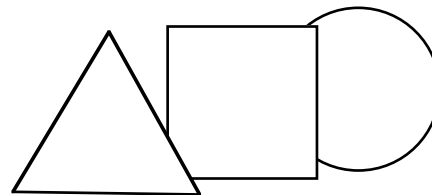
How can you use probability to determine the estimated area of the shaded region on the rectangular region below? Provide an example of how your strategy would work.



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An equilateral triangle and a square have the same side length. A circle has a radius half as long as the side of the other two figures. List the figures in order of area, greatest to least. Explain why you chose your order.



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