

Shape Builder Exploration Questions

1. Create a shape that has a perimeter of 18 and an area of 8. Show it below. What steps did you go through to find an answer? Is there more than one solution? Why or why not?
2. How does the “show outline” option relate to the perimeter of a shape?
3. Can a shape’s area ever be greater than its perimeter? Why or why not?
4. What shape is formed on the grid when the perimeter and area are equal? Can you use this activity to make any other figures with an equal area and perimeter? Explain why.