

PERFORMANCE TASK

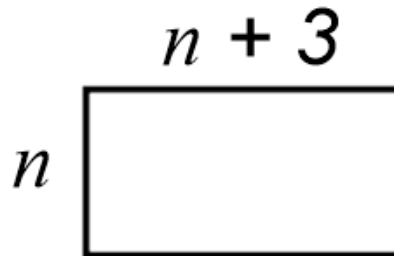
NAME: _____

Score: _____ out of 9 points

DATE: _____

PERIMETER

Use the following rectangle to answer the following:



1. Write an algebraic expression that gives the perimeter for any value of n .

2. Find the perimeter if $n = 4$.

3. Complete the table below.

| n | 1 | 2 | 3 | 4 | 5 |
|-----------|---|---|---|---|---|
| perimeter | | | | | |

4. If n is an integer is it possible for the perimeter to be 32. Explain why or why not.

5. Find the area of the rectangle if the perimeter is 66 inches. Justify your solution.

