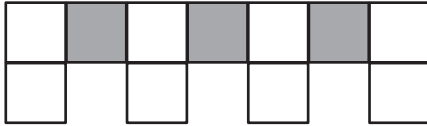


Name _____

Pattern Teasers

Below is a pattern made of cubes called “garages.”



1 garage 2 garages 3 garages 4 garages 5 garages 6 garages
5 cubes 8 cubes 11 cubes _____ cubes _____ cubes _____ cubes

1. Continue the pattern for 6 garages. How many cubes were used? _____
2. How many cubes would be used to make 10 garages? _____
3. Write an expression for the number of cubes for any number of garages. Use n to stand for any number.

Here is a number pattern called “bull’s eye.” Use the pattern for **4** and **5**.

2	2	4	2	4	6
10	12	2	4	6	2
8	8	10	12	8	4
6	6	16	14	10	6
4	4	2	14	12	8
2	10	8	6	4	2

4. Start with the 2 in the upper left-hand corner. Draw a straight line across the first 3 numbers, 2, 2, 4. Continue the line across the next three numbers, 2, 4, 6. Now, draw a line down from the 6. What are the next 4 numbers?

5. Draw one continuous line that crosses each number only once to complete the pattern. Why do you think “bull’s eye” is the name for this pattern?
