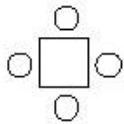


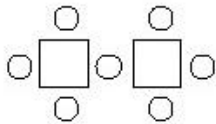
Name _____

Squares and Circles

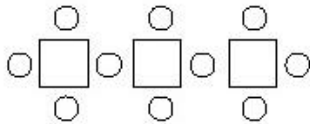
Jack makes patterns using squares and circles.



1 square
4 circles



2 squares
7 circles



3 squares
10 circles

1. Draw a diagram to show Jack's pattern using 4 squares.

Jack makes a table to show the number of circles he needs to make patterns using different numbers of squares:

Number of squares	1	2	3	4	5
Number of circles	4	7	10		

2. How many circles does Jack need to make a pattern using 4 squares?
Write your answer in the table above.

3. How many circles does Jack need to make a pattern using 5 squares?
Write your answer in the table on the first page.
Explain how you figured it out:

4. Jack made a pattern using 10 squares. How many circles does he use? _____.
Show how you figured it out.

5. How many squares does Jack need to make a pattern that uses 40 circles? _____
Explain how you figured it out.
