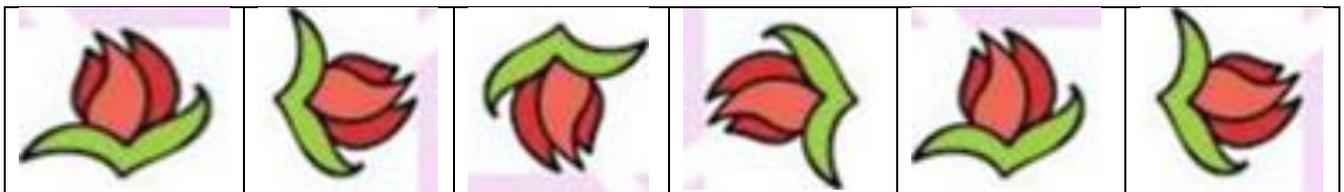| CLASS NOTES	
Class: V	Topic: Ch.- 7
Subject: Mathematics	Can You See The Pattern?

Pattern: A pattern is a repeated arrangement of numbers, shapes, colours and so on. The pattern can be related to any of the event or object. If a set of numbers are related to each other in specific rule, then the rule or manner is called a pattern.
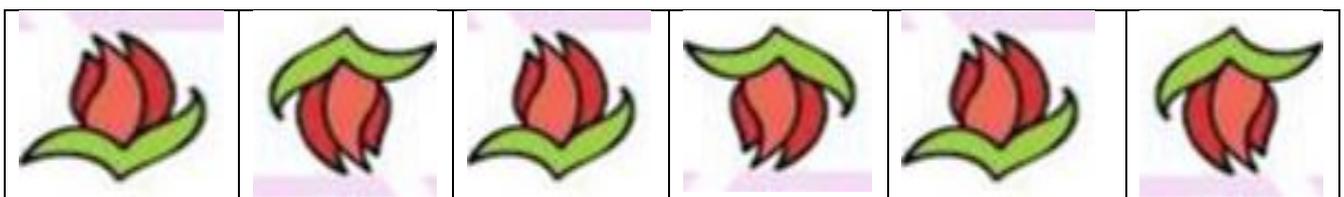
Q1. Make three different patterns using this block in clockwise and also write the rule for each pattern.
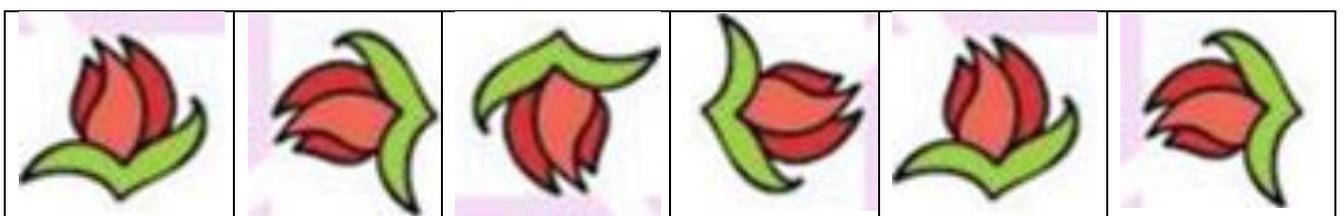
Pattern 1:

Rule: This block is turned with one-fourth turn. (Clockwise)

Pattern 2:

Rule: This block is turned with half turn. (Clockwise)
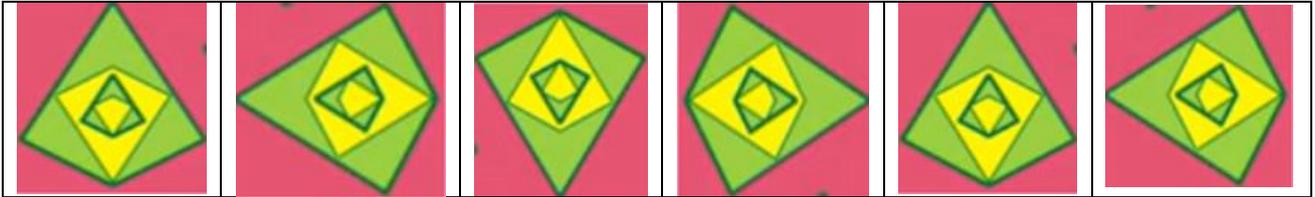
Pattern 3:

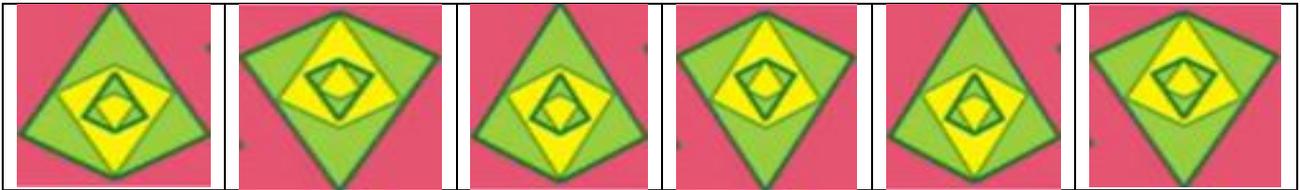**Rule: This block is turned three-fourth turn. (Clockwise)**

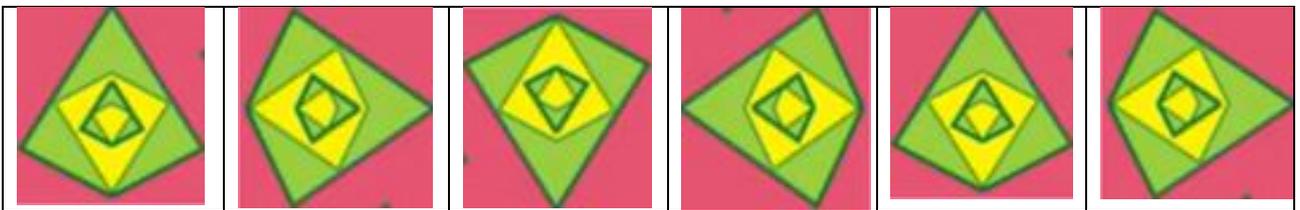**Q2. Make three different patterns using this** **block in anti-clockwise and also write the rule for each pattern.**

Pattern 1:

Rule: This block is turned with one-fourth turn. (Anti clockwise)

Pattern 2:

Rule: This block is turned with half turn. (Anti clockwise)

Pattern 3:

Rule: This block is turned with three-fourth turn. (Anti clockwise)
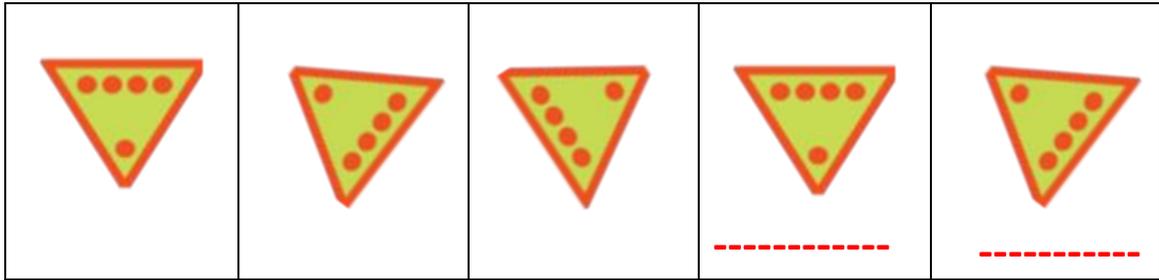
Q3. What should come next?

1.

Rule: 1/8 turn clockwise

2.

Rule:1/4 turn clockwise
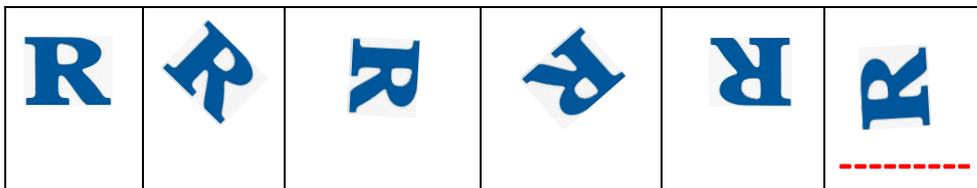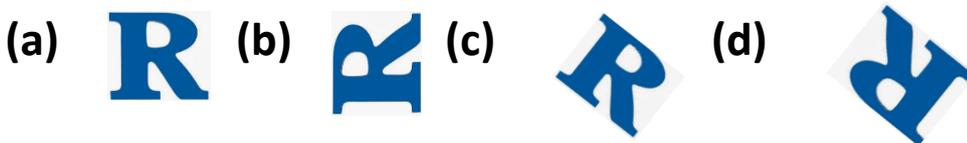
3.

Rule:1/3 turn clockwise

4.

Rule:1/4 turn clockwise

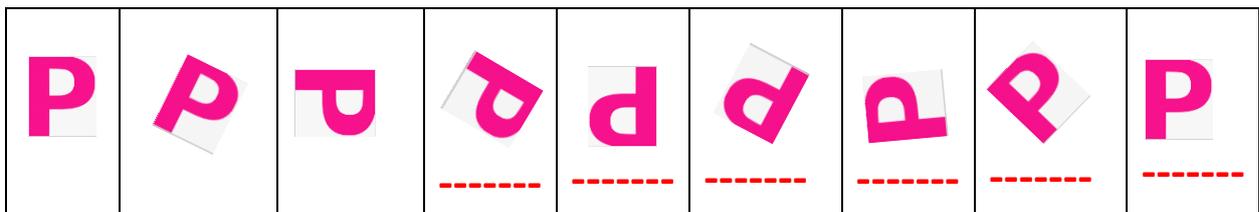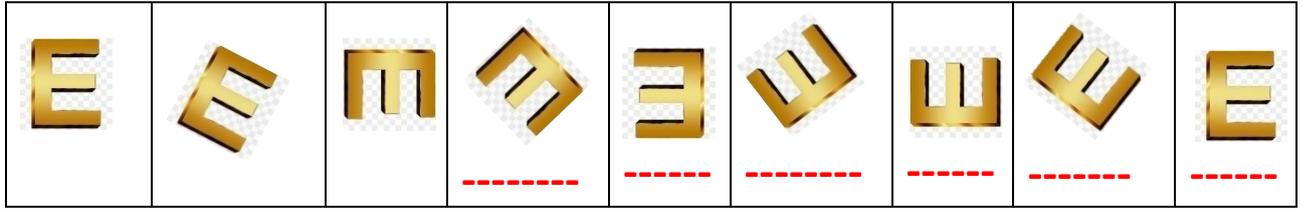**Q3. See the pattern given below:**

a.

The rule of the pattern is- turning by 45°each time. Which will be the next? Tick (✓)the right one.

(a)   (b)   (c)   (d)

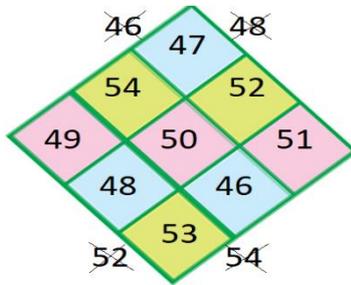**Q4. Using the rule of pattern turning by 45 °take it forward till you get back to what you started with.**

Q6.Magic Squares

(i) Fill this square using all the numbers from 46 to 54.
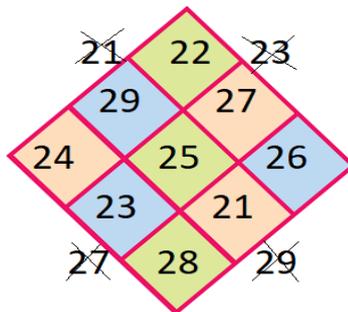
Rule: The total of each line is 150.

		49
46		
	52	47

RULE

	47	
54		52
49	50	51
	48	46
	53	

46 48

52 54

SOLUTION

53	48	49
46	50	54
51	52	47

(ii) Fill this square using all the numbers from 21 to 29.(The total of each side is 75)

	25	

RULE

21 22 23

29 27

24 25 26

23 21

27 28 29

SOLUTION

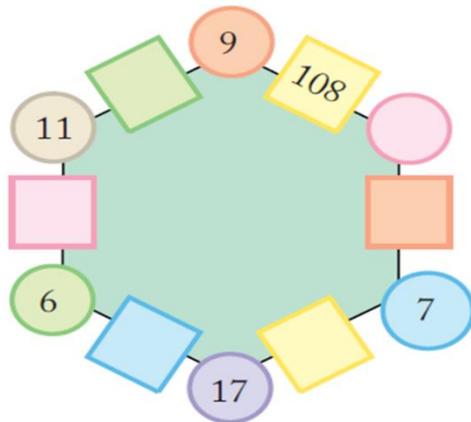| 24	23	28
29	25	21
22	27	26

Q7. Magic Hexagons

Look at the patterns of numbers in hexagons. Each side has 2 circles and 1 box.
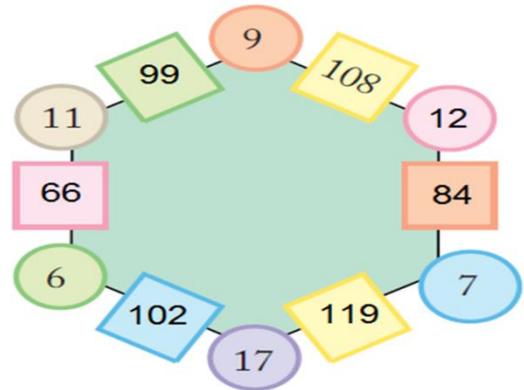
The rule of this method is we get the number in each box by multiplying the numbers in the circles next to it.
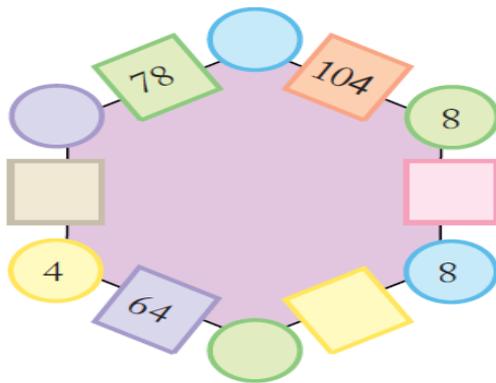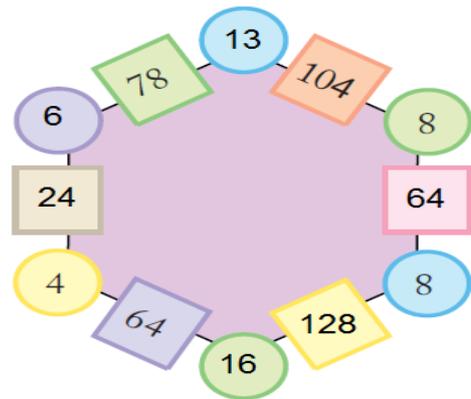
(i) Use the same rule to fill the hexagons below.

(a)

SOLUTION

(b)

SOLUTION

******The above content is absolutely prepared from home*****