

## Lesson-9



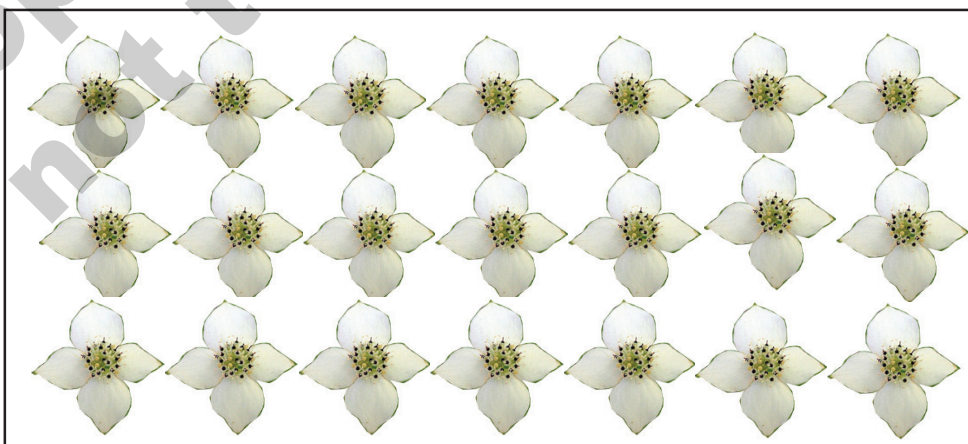
## Pattern

### Rose Garden

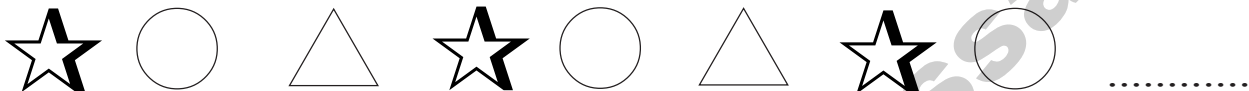
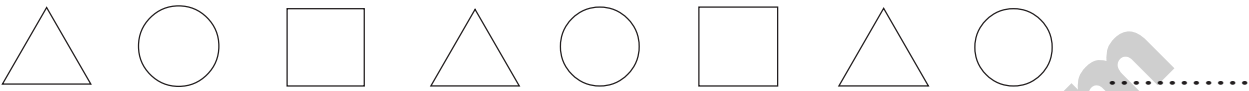
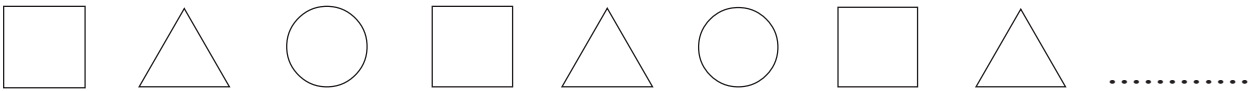
There was a beautiful rose garden in the compound of Birina's house. One day her friends came to look at the garden. They noticed that the rose flowers were arranged in a pattern of colours. The red rose flowers were in the middle. On both sides of the red rose flowers were the yellow rose flowers and beside of the yellow rose flowers were pink rose flowers.



Colours the flowers and create a pattern of your own



Complete the pattern



Complete the pattern


Fill up the gaps and complete the pattern

1	3	5	7	
1	4	9	16	
4	8	12	16	
9	18	27	36	
8	16	24	32	
7	107	207	307	
19	29	39	49	
112	223	334	445	
925	825	725	625	

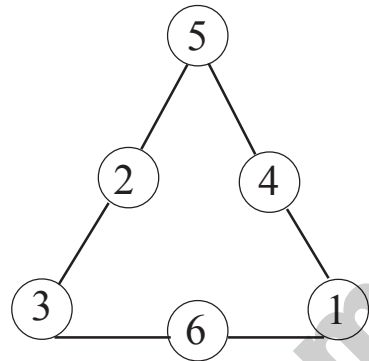


## Look at this number pattern

Rule : Numbers on each side of the triangle add upto 10

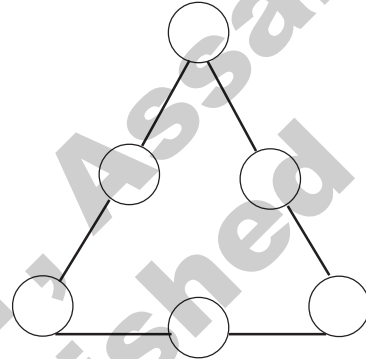
$$5 + 2 + 3 = 10$$

See if the other sides of the triangle also add upto 10

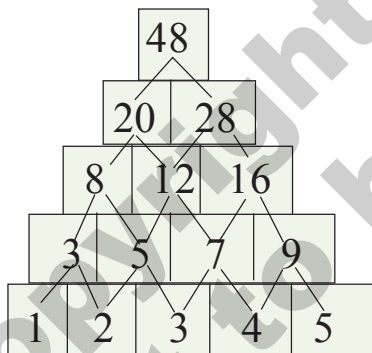


## Do yourself

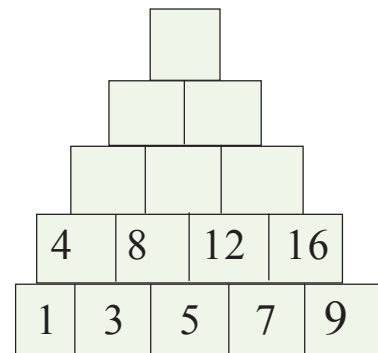
Now use numbers 1-6 to make fill up the empty spaces in the triangle. The numbers on each side of the triangle must add upto 9.



Look at the number pattern below



Now complete the number pattern below



Complete the pattern



### Complete the pattern

0	+	1	+	2	=	3
1	+	2	+	3	=	6
2	+	3	+	4	=	.....
3	+	4	+	5	=	.....
4	+	5	+	6	=	.....
5	+	6	+	7	=	.....
6	+	7	+	8	=	.....
7	+	8	+	9	=	.....







### Complete the pattern

6	×	3	=	18
9	×	3	=	27
12	×	3	=	36
15	×	3	=	45
18	×	3	=	.....
21	×	3	=	.....
24	×	3	=	.....

### Complete the pattern







3	÷	3	=	1
6	÷	3	=	2
9	÷	3	=	3
12	÷	3	=	4
15	÷	3	=	.....
18	÷	3	=	.....
21	÷	3	=	.....

Write the rule followed by each pattern



A                      B                      B                      A                      B                      B









Pattern rule ..... ABB .....









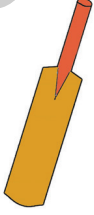
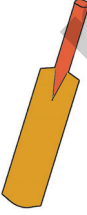
Pattern rule .....



Pattern rule .....



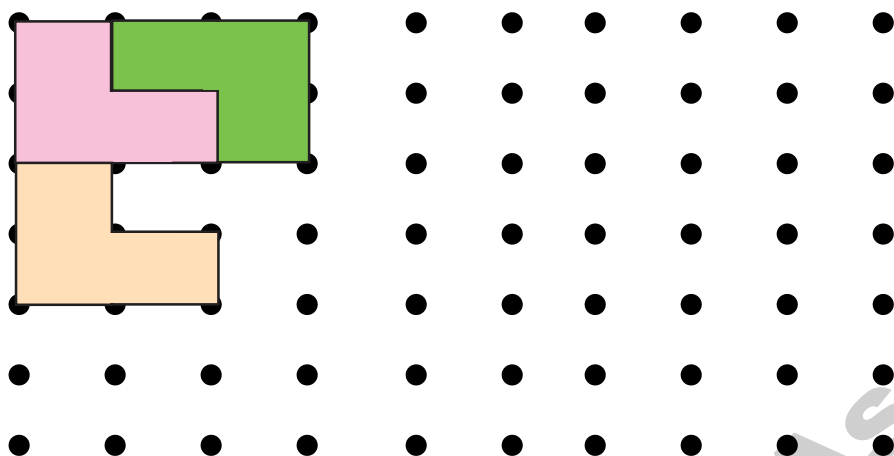
Pattern rule .....



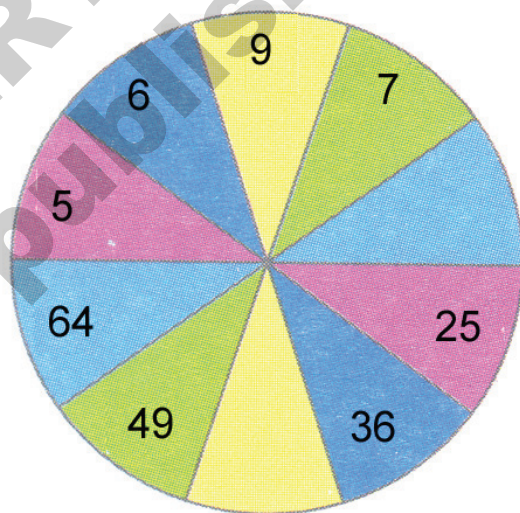
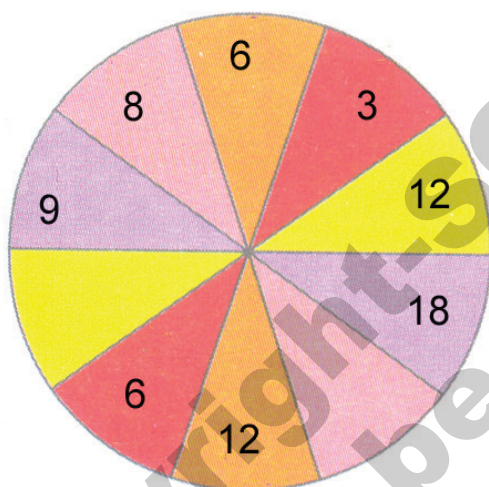
Pattern rule .....



Use the shape given below and complete the pattern of the tile



Study the pattern in each and fill in the missing numbers



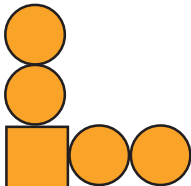

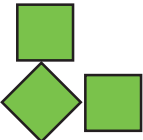
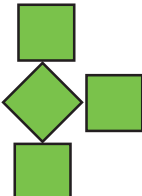





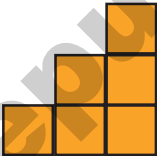




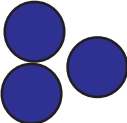
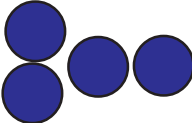





Study the pattern in each and fill in the missing numbers

25	29	33
21	25	29
17	21	25
13	17	21

64	32	16	8
72	36	18	9
80	40	20	10
88	44	22	11

Draw the pictures that comes next in each growing pattern



Tell whether the dotted line on each shape is a line of symmetry. Write Yes or No

