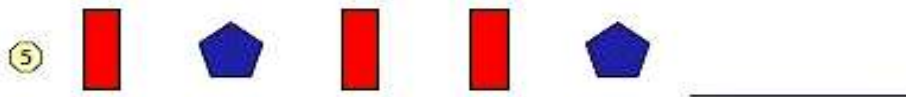


NISCORT FATHER AGNEL SCHOOL, VAISHALI (2017-18)
SELF LEARNING WORKSHEET - 9
CLASS-III
TOPIC-PATTERNS

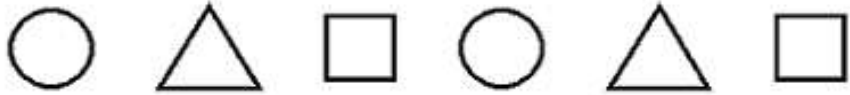

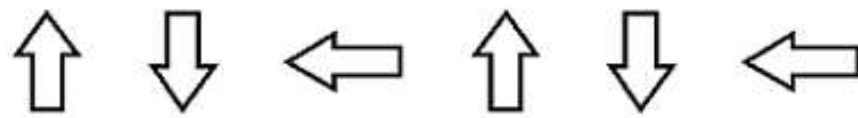
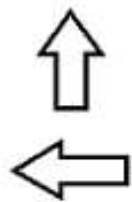
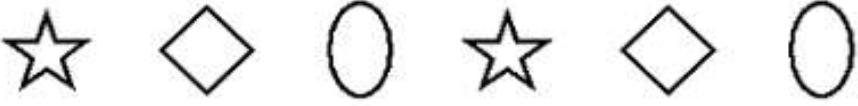

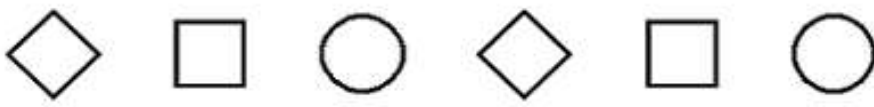

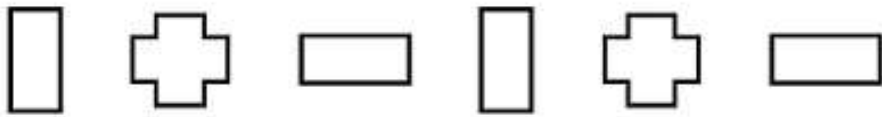

Q1. Draw the picture that comes next in the pattern:



Q2. Complete the numerical series patterns using addition:

- (i) 0, 4, 8, _____, _____, _____, _____
- (ii) 15, 17, 21, _____, _____, _____, _____
- (iii) 11, 21, 31, _____, _____, _____, _____
- (iv) 200, 250, 300, _____, _____, _____, _____
- (v) 205, 305, 405, _____, _____, _____, _____
- (vi) 110, 120, 130, _____, _____, _____, _____
- (vii) 500, 490, 480, _____, _____, _____, _____
- (viii) 318, 321, 324, _____, _____, _____, _____
- (ix) 66, 60, 54, _____, _____, _____, _____
- (x) 31, 40, 49, _____, _____, _____, _____

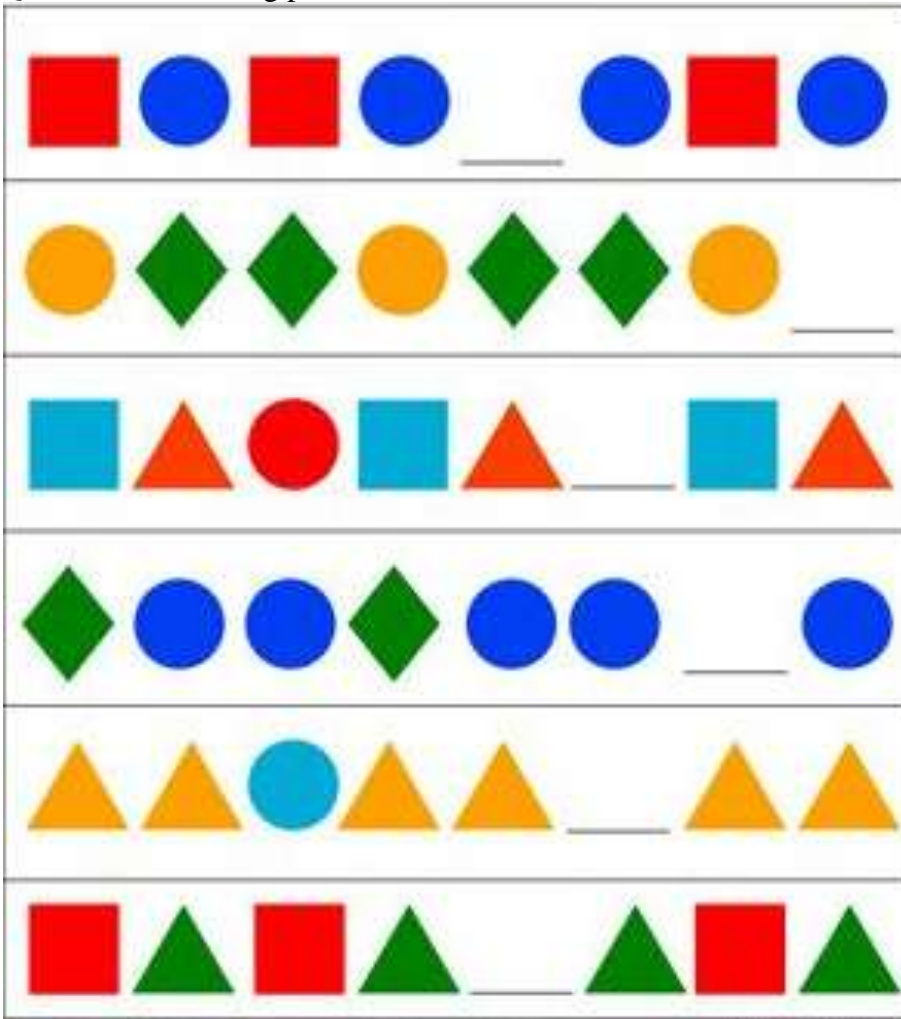
Q3. Look at the pattern in each row and circle the pattern that comes next?

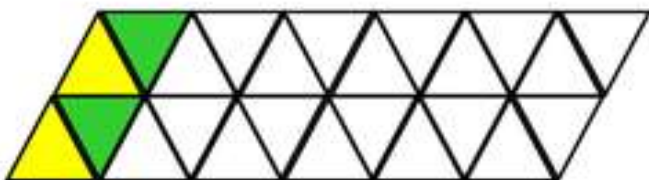
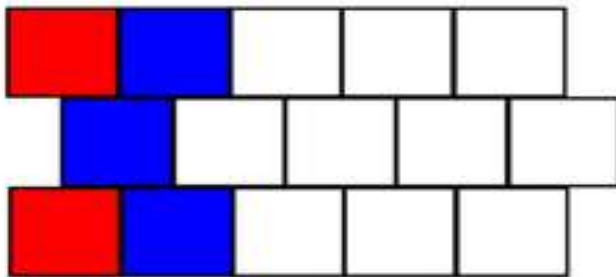
Q4. What comes next?

- (i) AB5, CD10, EF15, _____, _____, _____
- (ii) T9, T18, T27, _____, _____, _____
- (iii) PQ3, QR6, RS9, _____, _____, _____
- (iv) 101A, 103B, 105C, _____, _____, _____
- (v) K12, L16, M20, _____, _____, _____
- (vi) JL, MO, PR, _____, _____
- (vii) UT5, SR10, QP15, _____, _____, _____

Q5. Draw the missing pattern and color it:



Q6. Color and complete the tiling patterns:



Q7. Draw the missing patterns to complete the growing patterns:

1.

A growing pattern of green stars. The first row has 2 stars, the second has 2 stars, the third has 3 stars, the fourth has 3 stars, and the fifth has 2 stars. Each row is separated by a dashed line.

2.

A growing pattern of pink circles. The first row has 2 circles, the second has 2 circles, the third has 4 circles, and the fourth has 4 circles. Each row is separated by a dashed line.

3.

A growing pattern of blue triangles and orange circles. The first row has 1 triangle and 1 circle, the second has 1 triangle and 1 circle, the third has 2 triangles and 2 circles, and the fourth has 2 triangles and 2 circles. Each row is separated by a dashed line.

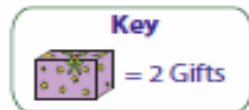
ANSWERS:

2. (i) 12,16, 20, 24, 28
(ii) 23, 25, 27, 29
(iii) 41, 51, 61, 71
(iv) 350, 400, 450, 500
(v) 505, 605, 705, 805
(vi) 140, 150, 160, 170
(vii) 470, 480, 490, 500
(viii) 327, 330, 333, 336
(ix) 48, 42, 36, 30
(x) 58, 67, 76, 85
4. (i) GH20, IJ25, KL30
(ii) T36, T45, T54
(iii) ST12, TU15, UV18
(iv) 107D, 109E, 111F
(v) N24, O28, P32
(vi) SU, VX
(vii) ON20, ML25, KJ30

NISCORT FATHER AGNEL SCHOOL, VAISHALI (2017-18)
SELF LEARNING WORKSHEET - 9
CLASS-III
TOPIC-PICTOGRAPHS

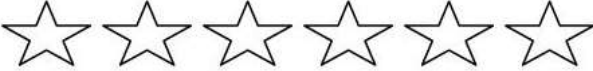


Q1. Steven, Gloria, Andrew and Jessica received Christmas gifts from Santa Claus. Use the pictograph to answer the questions:

Christmas Gifts	
Name	Number of Gifts
Steven	
Gloria	
Andrew	
Jessica	



- (i) Who got the most number of gifts? _____
- (ii) Who got more gifts, Jessica or Steven? _____
- (iii) How many gifts did Gloria and Jessica get altogether? _____
- (iv) Who got six gifts? _____
- (v) How many more gifts did Steven get than Andrew? _____

Q2. Jack, Jill, Tom, Ken and Marry counted shooting stars. The pictograph below shows the number of shooting stars each child saw. Use it to answer the questions that follow:

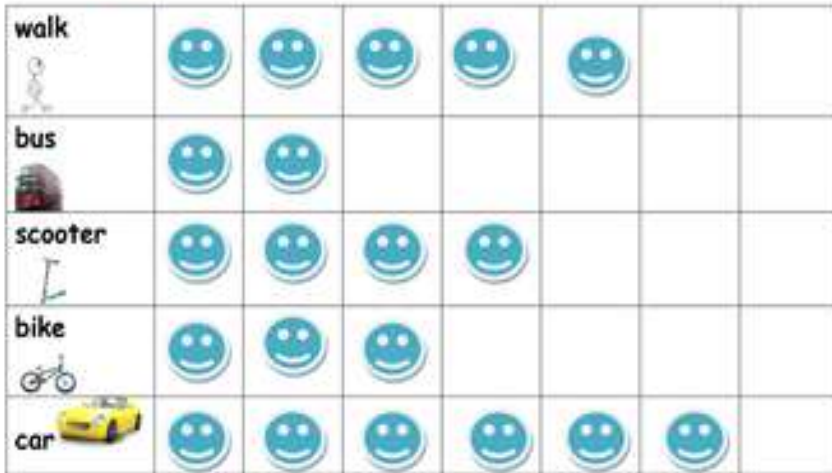
Jack	
Jill	
Tom	
Ken	
Mary	

 = two shooting stars

- (i) How many shooting stars did Tom count? _____
- (ii) Who counted the most shooting stars? _____
- (iii) Which children counted the same amount of shooting stars? _____
- (iv) How many less shooting stars did Mary count than Jack? _____
- (v) What was the total number of shooting stars counted? _____

Q3. This pictograph shows how a class of children travels to school. Use this pictograph to answer the questions that follow:

 = 2



- (i) How many children travel by scooter? _____
- (ii) How many children travel by car? _____
- (iii) Which is the least popular way of travelling to school? _____
- (iv) Which is the most popular way of travelling to school? _____
- (v) How many children walk and travel by bike altogether? _____
- (vi) How many more children travel by scooter than on a bus? _____
- (vii) How many children are there all together? _____

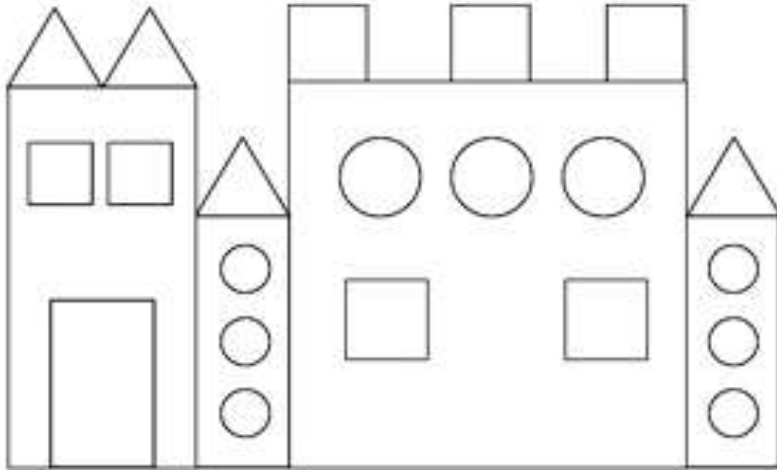
Q4. Uncle John loves growing fruits in his garden. This pictograph shows the fruits he picked from his fruit trees last week. Answer the following questions based on it:



Each  stands for 5 fruits

- (i) How many apples did Uncle John pick? _____
- (ii) How many bananas did he pick? _____
- (iii) How many more oranges than apples did he pick? _____
- (iv) How many more oranges than bananas were picked? _____
- (v) How many fruits did Uncle John pick altogether? _____

Q5. Count the number of shapes in the picture below and complete the table.



Name of the Shape	Circle	Triangle	Square	Rectangle
Number				

Based on the above table, draw a pictograph to show the shapes in the above picture. Show one shape with ↓

Circle	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Triangle	
Square	
Rectangle	

- (i) How many more circles are there than square? _____
- (ii) What is the difference between the number of circles and rectangles? _____
- (iii) Which two shapes are equal in number? _____
- (iv) What was the total number of shapes counted? _____

ANSWERS:

- Q1. (i) Gloria (ii) Jessica (iii) 20 (iv) Steven (v) 2
- Q2. (i) 6 (ii) Jack (iii) Tom and Ken (iv) 8 (v) 36
- Q3. (i) 8 (ii) 12 (iii) Bus (iv) Car (v) 16 (vi) 2
- Q4. (i) 25 (ii) 15 (iii) 5 (iv) 15 (v) 70

Q5.

Name of the Shape	Circle	Triangle	Square	Rectangle
Number	9	4	8	4

- (i) 1 (ii) 5 (iii) Triangle and Rectangle (iv) 25