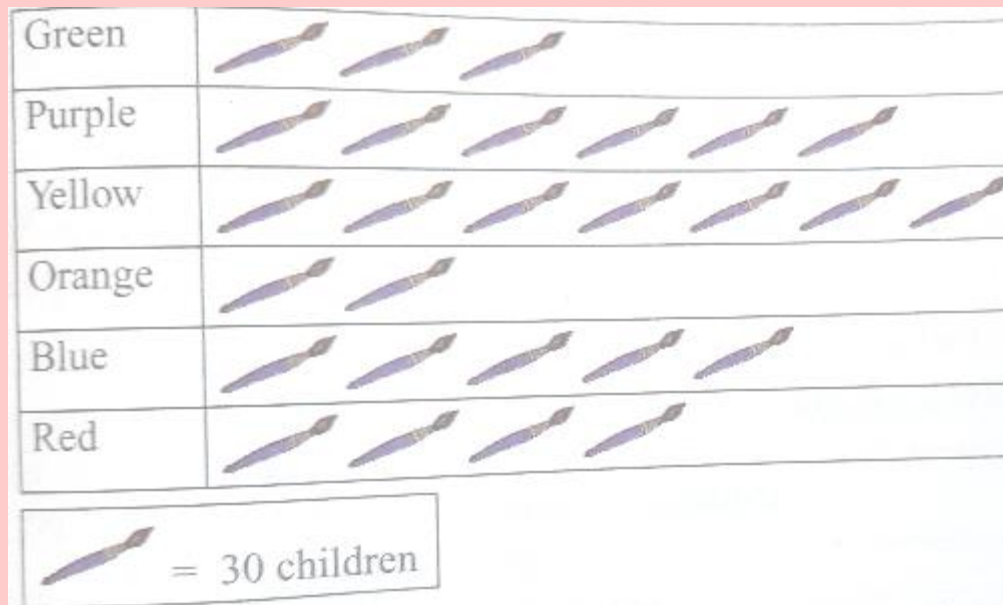# S.N.B.P`S International School

Welcome to Grade 8

- Lets have our session with the subject – Maths
- Before we start with grade 8 syllabus lets revise the things that you have learnt so far.

# *Revision of Data Handling*

SECTION - A

Q1) The following pictograph shows the favorite colors of the children of classes III and IV

Green	
Purple	
Yellow	
Orange	
Blue	
Red	

= 30 children

Observe the pictograph and answer the following questions

a. How many children like blue?

b. Which color is most liked by the children?

c. Which color is least liked by the children?

d. What is the difference between number of student who liked green and those who liked orange?

e. How many children in class III & IV?

Q2) The number of ice-creams sold at a shop on weekdays of a particular week is shown in the following pictograph.

Monday	🍦🍦🍦🍦🍦
Tuesday	🍦🍦🍦
Wednesday	🍦🍦🍦🍦🍦🍦🍦
Thursday	🍦🍦🍦🍦
Friday	🍦🍦
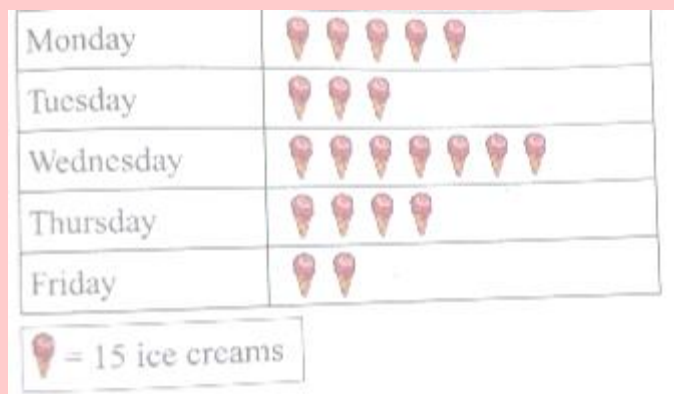
🍦 = 15 ice creams

Observe the pictograph and answer the following questions

a. How many ice-creams were sold on Monday?

b. On which day the most number of ice-creams were sold?

c. On which day the least number of ice-creams were sold?

d. How many less number of ice-creams were sold on Friday than on Monday?

e. If the ice-cream vendor sold 400 ice-creams in the whole week, how many ice-creams did he sell in the weekend?
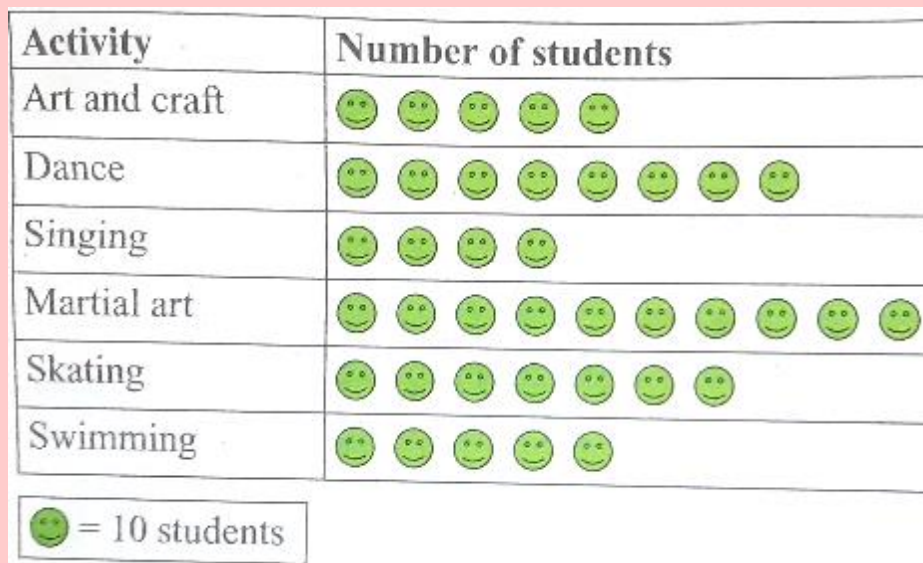
Q3) The following pictograph shows the number of flowers sold by a florist in a week

Monday	🌼🌼🌼🌼🌼
Tuesday	🌼🌼🌼
Wednesday	🌼🌼🌼🌼🌼🌼
Thursday	🌼🌼🌼🌼
Friday	🌼🌼🌼🌼🌼🌼🌼
Saturday	🌼🌼
Sunday	🌼🌼🌼🌼🌼🌼🌼🌼

🌼 = 20 flowers

a. Find the number of flowers sold on Wednesday?

b. On which day was the sale of flowers the maximum? How many flowers were sold on that day?

c. On which day was the sale of flowers the minimum? How many flowers were sold on that day?

d. How many more flowers were sold on Sunday than Saturday?

e. If each flower was sold at ₹5.00? How much was the earning on Sunday?

Q4) Students of class IV were asked which activity do they enjoy in Summer Camps. The following The following pictograph shows their favorite activities.

Activity	Number of students
Art and craft	😊 😊 😊 😊 😊
Dance	😊 😊 😊 😊 😊 😊 😊 😊
Singing	😊 😊 😊 😊
Martial art	😊 😊 😊 😊 😊 😊 😊 😊 😊 😊
Skating	😊 😊 😊 😊 😊 😊 😊
Swimming	😊 😊 😊 😊 😊

😊 = 10 students

Observe the pictograph and answer the following questions

a. Which is the most favorite activity?

b. Which is the least favorite activity?

c. Which activities are liked by equal number of students?

d. How many children like skating?

e What is the total number of students in class IV?

Q5) The average temperature in Delhi for six different months are shown in Bar graph. Read the bar graph and answer the questions given below.

Average temperatures in different months
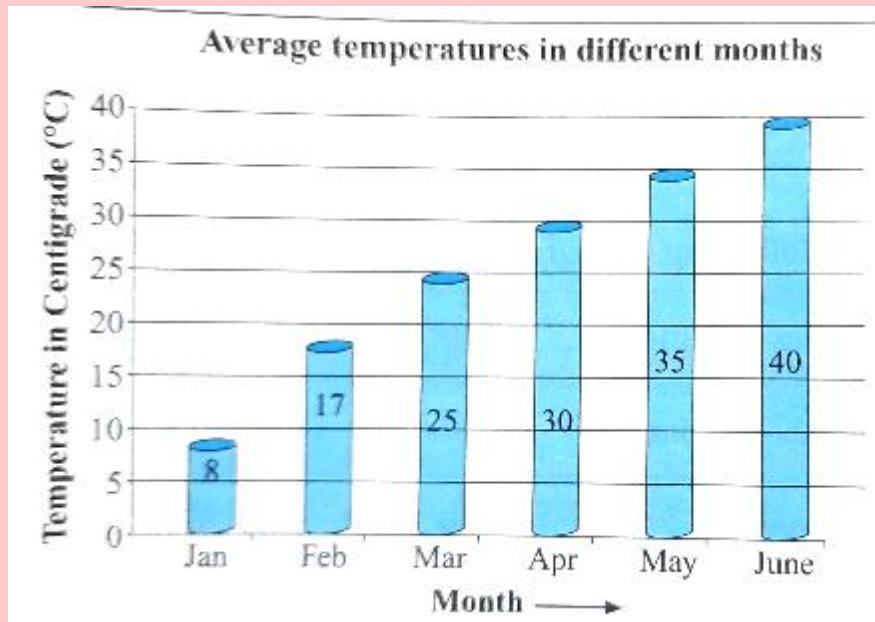
a. Which is the hottest month?

b. Which is the coolest month?

c. How much more is the temperature of April than February?

d. What is the average temperature in May?

Q5) Read the given bar graph that shows the subscription of a magazine for various years and answer the given questions.
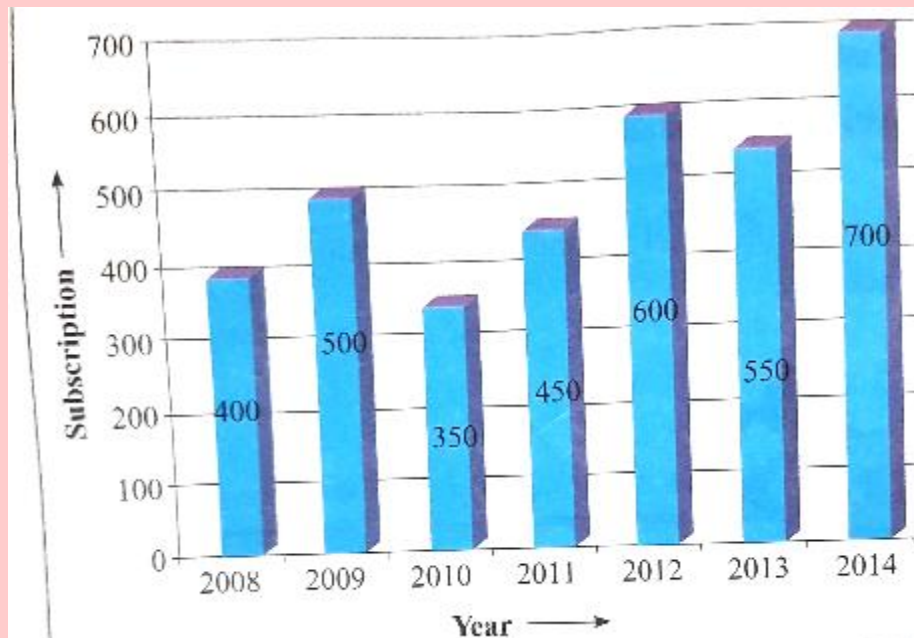
a. Add a title to the graph?

b. Which year has the highest number of subscribers for the magazine?

c. Which year has the lowest number of subscribers for the magazine?

d. What is the difference in the subscription in 2013 & 2014?

Q6) The following pictograph shows the favorite rides of 340 children of a building.

Swing and Slide	⭐ ⭐ ⭐
Merry-go-round	
Giant wheel	⭐ ⭐ ⭐ ⭐
Bumper car	⭐ ⭐ ⭐ ⭐ ⭐ ⭐
Trail train	
⭐ = 20 children	
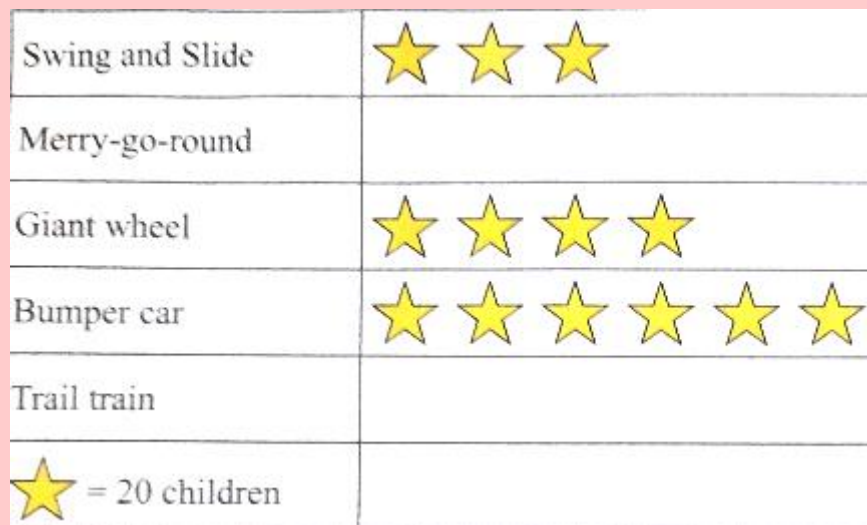
a. Find out how many children liked Mary-go-around and trial train. If these two rides were liked by equal number of children?

SECTION - B

Q7   Mental maths

1. Data presented through picture is called _____
2. The data collected in the original form is called _____
3. Each item in the raw data is called an _____
4. _____ and _____ are single ways of respresenting data.
5. The number of times an observation occurs is called its _____
6. Data can be represented in a tabular form using_____
7. The bars can be drawn horizontally or _____
8. The length of the bar indicates the_____ of the item
9. All bars should lie on the same line called the _____
10. The spacing between two bars in the bar graph should be _____
11. If 12 students scored 20 marks in a test, then frequency of 20 mark is _____
12. The frequency of 5 in given data is _____ 10, 3, 2, 5, 6, 3, 1, 5, 4, 10, 5

SECTION- C

Q8 In a examination, the marks obtained in each subject out of 100 by Sujata are given here

Subject	English	Maths	Computer	Science	Hindi
Marks obtained	90	85	75	80	65

Represent the given data in the form of bar graph and answer the following question

a. In which subject did Sujata get the highest and lowest marks?
b. Find out the difference between the highest and the lowest marks obtained by sujata?
c. In which subject did Sujata score more than 75 marks?

Q9 The temperature of a particular week of a place are given in the table below

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Temperature	30°C	33°C	31°C	30°C	34°C	32°C	35°C

Draw a bar graph to represent this data and answer the following question:

a. On which day was the temperature maximum?
b. On which day was the temperature minimum?

Q10 Draw a bar graph to represent the following data and answer the question

Player	Points scored
Jasmine	8
Jimmy	7
Simran	6
Dev	9
Sachin	5
Renu	10

a. What are the total points of all six players?
b. How many more points did Jimmy score as compared to Sachin?
c. Name the player who scored more than 9 points.

SECTION - D

Q11   THE WEIGHTS [IN KG] OF 40 STUDENTS OF A CLASS ARE GIVEN BELOW:

35, 37, 40, 36, 35, 41, 44, 37, 42, 44, 41, 36, 40, 37, 38, 42, 35, 39, 40, 43, 45, 36, 39, 40, 37, 44, 41, 42, 43, 35, 37, 39, 45, 38, 41, 37, 44, 35, 43, 41

Arrange the given data in tabular form using tally marks.

Q12   a dice is thrown 30 times and each time the number appearing on it was noted as given

2, 6, 3, 2, 1, 4, 5, 3, 1, 5, 5, 2, 4, 3, 1, 2, 5, 6, 2, 3, 1, 5, 4, 4, 1, 4, 2, 2, 5, 1, 3

Arrange the data in tabular form using tally marks

   a.   The number that appeared maximum number of times.
   b.   The number that appeared minimum number of times.

Q13   The height of students in a class of 35 are given below:

131cm 134cm 132cm 130cm 133cm 131cm 134cm 132cm 135m 130cm 132cm 136cm 132cm 133cm 135cm 132cm 136cm 134cm 131cm 133cm 135cm 136cm 134cm 131cm 133cm 132cm 136cm 130cm 131cm 135cm 133cm 132cm 130cm 134cm 135cm

Arrange the data in tabular form using tally marks

Q14   The shoppers who come to a departmental store are maked : man **(M)** , woman **(W)**, boy

 (B) , or girl **(G)**, the following list is given to the shoppers who came during the first hour in the morning.

W W W G B W W M G G M M W W W W G B M W B G G M W W M M W W W M W B W G M W W W W G W M M W M W G W M G W M M B G G W.

Make a frequency distribution table using tally marks. Draw a bar graph to illustrate it .