

M312	records data using tally marks, represents pictorially and draws conclusions.
------	---

LEVEL-1

Test item-1: Shaurya's friends use different means of transport to reach the playground. Data has been presented using tally marks given below:

Means of transport	Number of Freriends
bus	///
Cycle	//////
Rikshaw	////
on foot	////

Which of the following ststatement is not correct?

Option A: 3 children use rickshaw

Option B: 6 children use cycle

Option C: Bus is used by minimum number of children

Option D: Maximum children use cycle

Correct option: B

Hints/Solution:

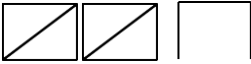
On the basis of given information number of children using different means is as follows:

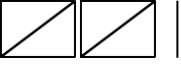
Means of transport	Number of Friends (Tally marks)	Number of Friends
bus	///	2
Cycle	//////	5
Rikshaw	////	3
on foot	////	4

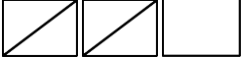
Test item-2: Given pictograph represents the number of students participated in an annual school function from each section of class III.

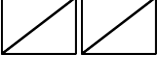
Section	Number of Students
A	
B	
C	
D	
E	

Which of the following shows the total number of students participated?

Option A: 

Option B: 

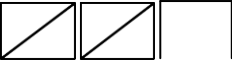
Option C: 

Option D: 

Correct Option: A

Hints/Solution:

Total number of Students= $2+1+3+4+3= 13$

13 is represented as  in tally marks.

Test item-3: Look at the picture and counts the birds. How many Parrots are there?



Option A: 9

Option B: 11

Option C: 4

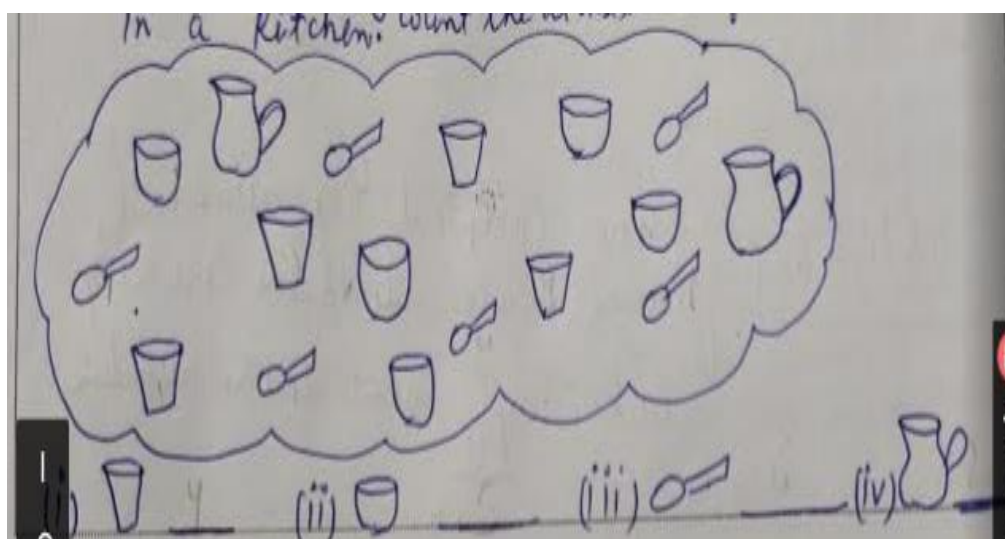
Option D: 7

Correct option: (D)

Hints/ Solution:

Total birds = 11
After Counting
Number of Parrots = 7
Number of Piegons = 4

Test item-4: The following data shows the number of utensils in a kitchen. Count the utensils and complete the table. One has been done for you.



Utensil	Number of utensil (Tally marks)	Number of utensil
Glass	////	4
Bowl		
Spoon		
Jug		

Hints/Solutions:

Number of glasses = 4

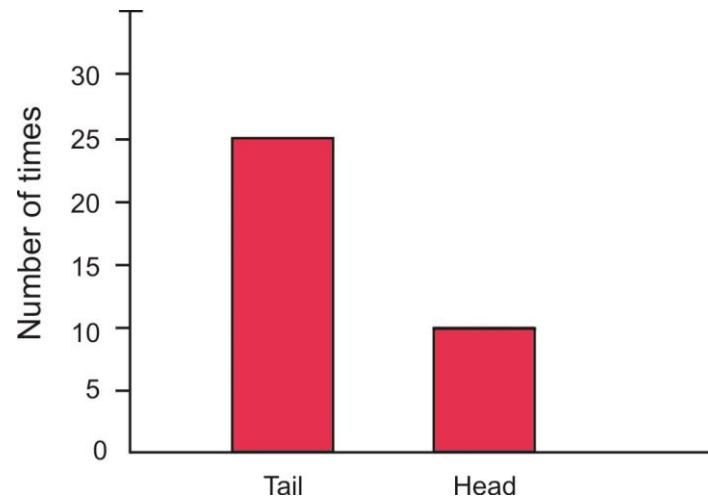
Number of bowls = 5

Number of spoons = 6

Number of jug = 1

Test item-5:

Nita tossed a coin several times and results are in the bar chart. Look at the chart and find out how many times she got Tail?



Option A: 10

Option B: 15

Option C: 25

Option D: 35

Correct Option: C

Hints/ Solution:

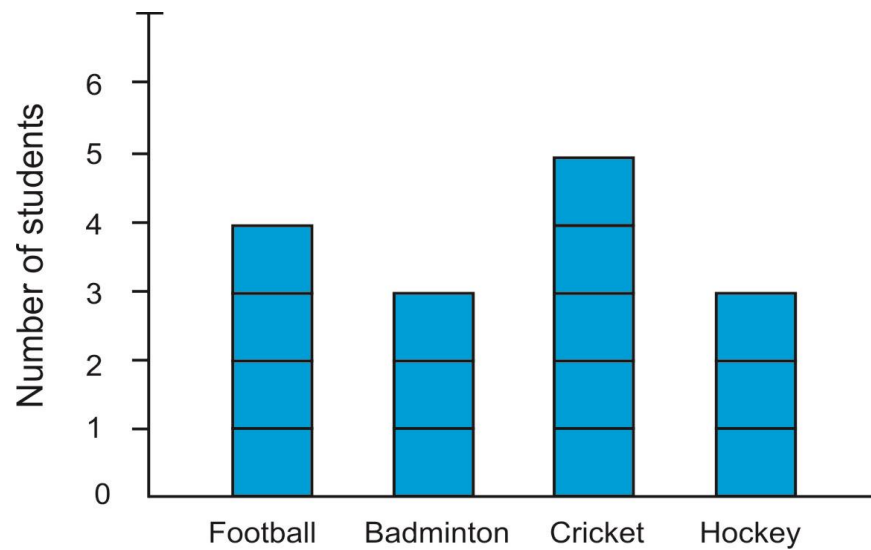
Number of times Tail appeared = 25

Number of times Head appeared= 10

Test item-6:

Rohan collected the data from the students of class III to know which game they watch on T.V.

 represents one student.



How many students watch Cricket?

Option A: 3

Option B: 4

Option C: 5

Option D: 6

Correct Option: C

5 students watch Cricket.

Test item-7: Ancy made this table according to the colors by counting the caps she saw in a shop while shopping.

Colour of bead	Number of beads
Green	6
Red	4
Pink	2
Yellow	8

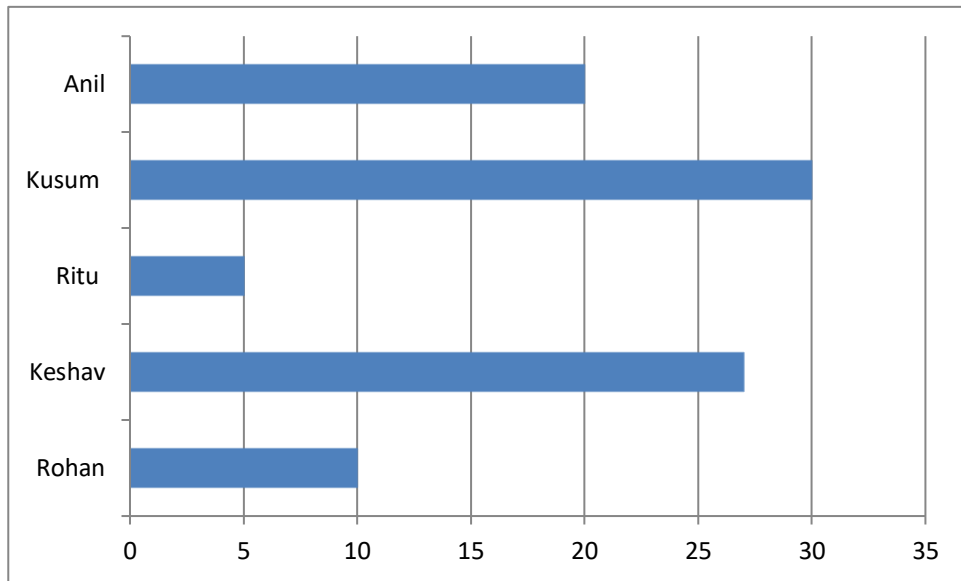
Represent the above data using picture of a cap .

Note:  = 1 cap

Hints/ Solution:

Colour of bead	Number of beads
Green	     
Red	   
Pink	 
Yellow	       

Test item-8: Five students of class III showed their marks out of 30 on a bar graph.



Name the student who scored the highest marks?

Option A: Anil

Option B: Kusum

Option C: Keshav

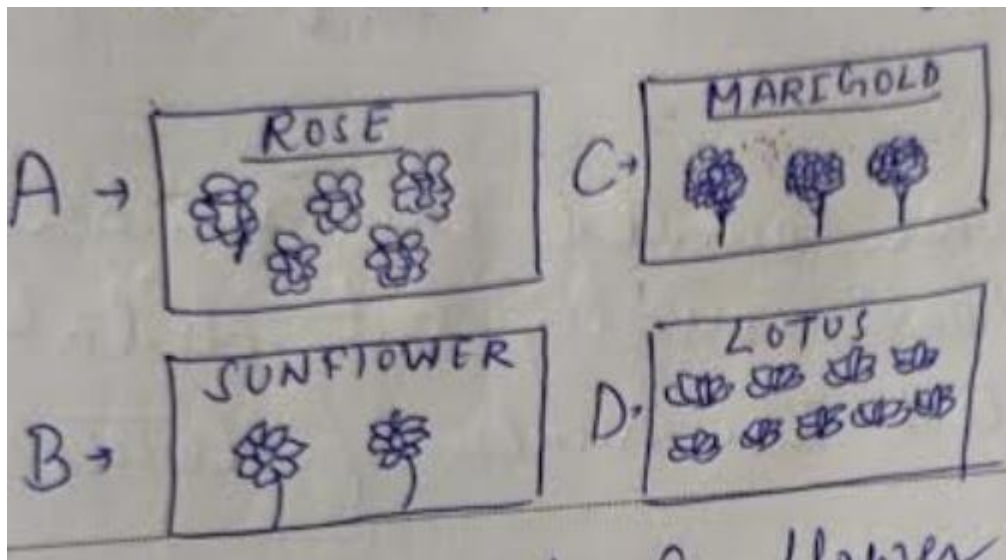
Option D: Ritu

Correct option: (B)

Hints/ Solution:

The bar of Kusum is the longest one and it shows that she scored 30 marks,
So, Kusum scored the highest marks among all.

Test item-9: There are four types of flowers kept in Boxes A, B, C and D. Count the number of flowers and fill in the blanks.



1. _____ flower is maximum in number.
2. _____ flower is minimum in number.

Hint/Solutions:

Rose	-	5	Sunflower-	2
Marigold	-	3	Lotus	- 9

So, Lotus is maximum in number and Sunflower is minimum in number.

Test item-10: Seema made the table according to the colors by counting the flowers blossoming in a bed.

colour of flowers	number of flowers
red	7
blue	10
orange	9
yellow	5

Tell how many flowers she counted other than blue color?

Hints/ Solution

Number of flowers other than blue

$$\begin{array}{r} \text{red } 7 \\ + \text{orange } 9 \\ + \text{yellow } 5 \\ \hline \underline{21} \end{array}$$

LEVEL-2

Test item-1: Kavita throws a dice 30 times and records her data.

Face of the die	Number of times (/ for each throw)
	////
	////
	////
	///
	////////
	////

Which two faces of the dice came equal number of times?

Option A:  and 

Option B:  and 

Option C:  and 

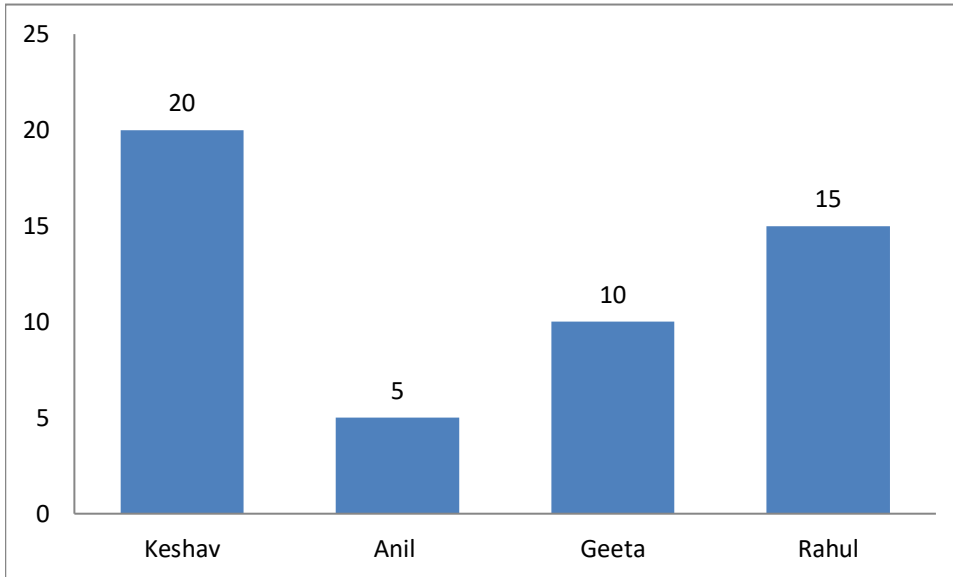
Option D:  and 

Correct option: C

Hints/ Solution

Face of the die		Number of times
		4
		5
		6
		3
		8
		4

Test item-2: Four students of class III showed their marks out of 30 on a bar graph.

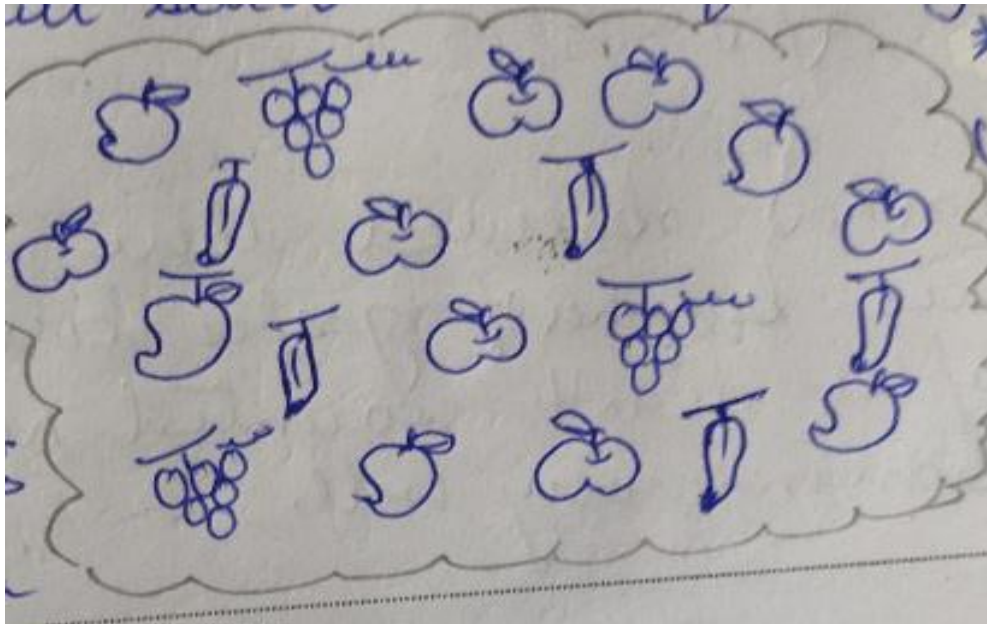


Find the total marks scored by Keshav and Rahul together?

Hints/ Solution

$$\begin{array}{rcl} \text{Keshav's} & = & 20 \\ \text{Rahul's Score} & = & + 15 \\ & & \hline & & 35 \end{array}$$

Test item-3: A fruit seller has the following fruits:



Select the correct statement(s) for the above data.

- (i) Bananas and Mangos are equal in number
- (ii) Bunch of grapes are minimum in number
- (iii) There are 6 bananas.
- (iv) Apples are maximum in number

Option A: (i), (ii) and (iv)

Option B: (i), (ii) and (iii)

Option C: (ii) and (iii)

Option D: All are correct

Correct option: (A)

Hints/ Solution:

Option A is Correct

Apples = 7

Bananas = 5

Mangoes = 5

Bunch of grapes = 3

Test item-4: The following data showed the number of T.V. Channels liked by the students of class III. **Note:**  = 2 students

T.V channels	Number of students
Pogo	   
Discovery	  
Cartoon Network	     
Sony Sub	    

How many students like cartoon network?

Option A: 6

Option B: 12

Option C: 5

Option D: 10

Correct option: (B)

Hints/ Solution:

Cartoon Network :-

$$\rightarrow 2 + 2 + 2 + 2 + 2 + 2 = 12$$

$$\rightarrow (2 \times 6 = 12) \text{ Students}$$

Test item-5: The given data shows the number of student absent from class I to IV on a particular day.

Note:  = 2 students

Class	Number of absent student
I	   
II	  
III	   
IV	 

In which class minimum number of students are absent? Write in number.

Option A: IV - 2 students

Option B: IV – 4 Students

Option C: III – 4 Students

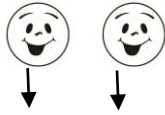
Option D: III – 8 Students

Correct option: (B)

Hints/ Solution

IV

→



$$\rightarrow 2 + 2 = 4$$

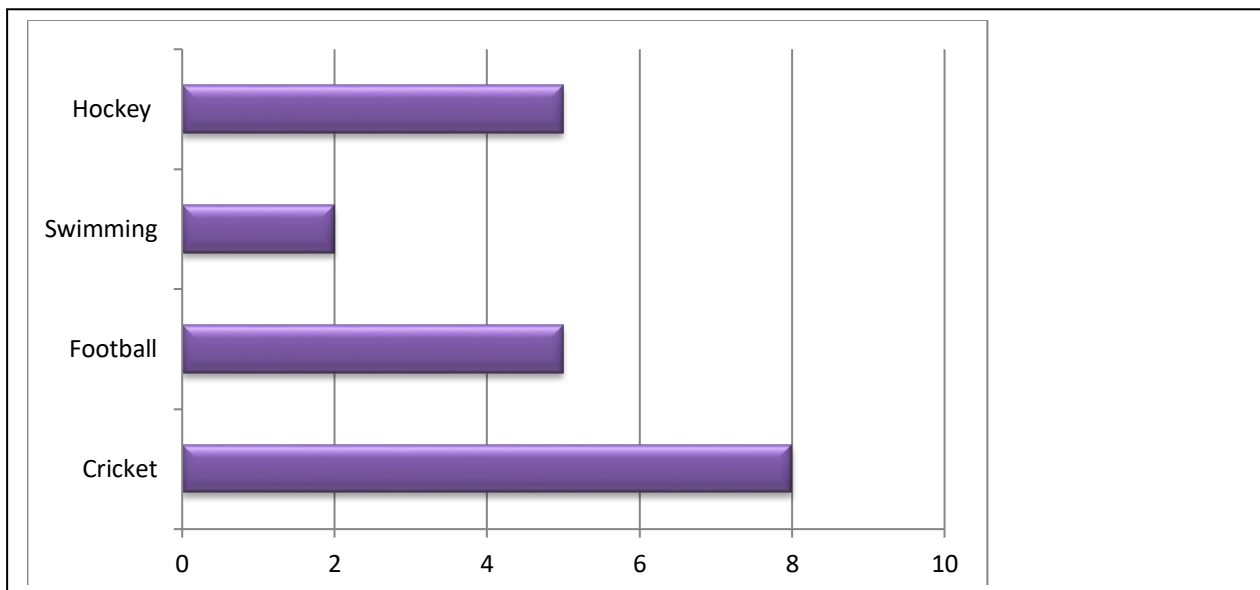
$$\rightarrow (2 \times 2) = 4$$

Test item-6: The following table shows the favorite sports of 20 students of class III.

Sports	Number of students
Cricket	8
Football	5
Swimming	2
Hockey	5

Draw the bar graph.

Hints/ Solution

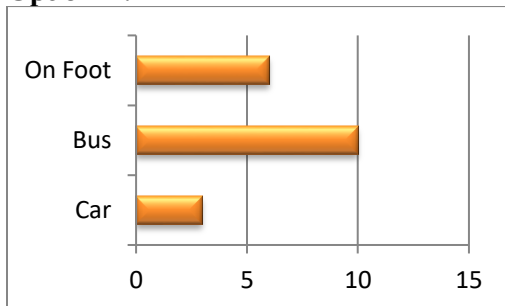


Test item-7: The following data shows the number of different means used by student of class III reach to the school.

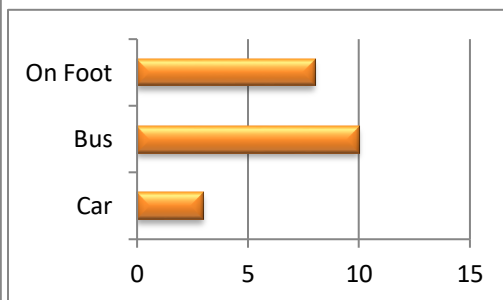
Ways	Car	Bus	On foot
Number of students	3	10	7

Select the graph which shows the above data correctly.

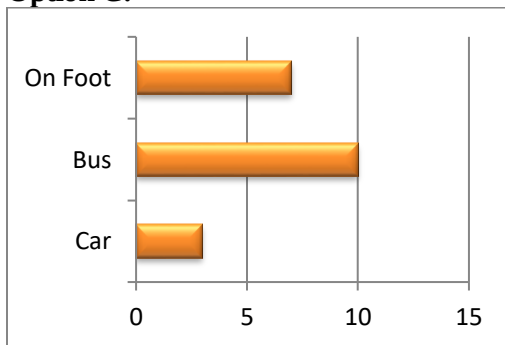
Option A:



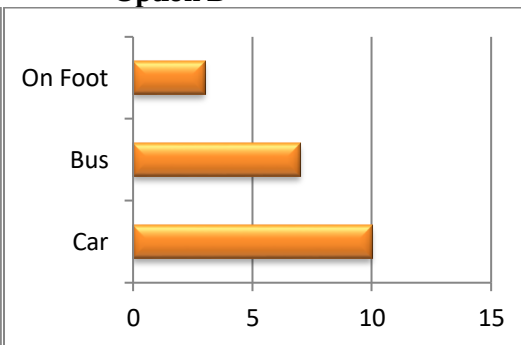
Option B:



Option C:



Option D



Correct option: (C)

Test item-8: The following data shows the distribution of Math books from classes I to V in school A and school B

NOTE:  = 10 Books

<u>School A</u>	
Class	No. of Books
I	   
II	 
III	    
IV	     
V	  

<u>School B</u>	
Class	No. of Books
I	  
II	   
III	  
IV	   
V	  

What is the difference between the number of books of class III distributed between school A and school B?

Solution

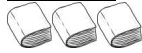
For class III

School A



$$10 + 10 + 10 + 10 = 40$$

School B



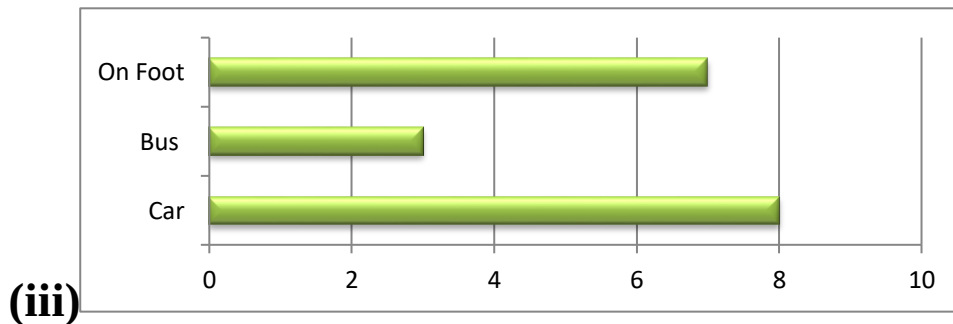
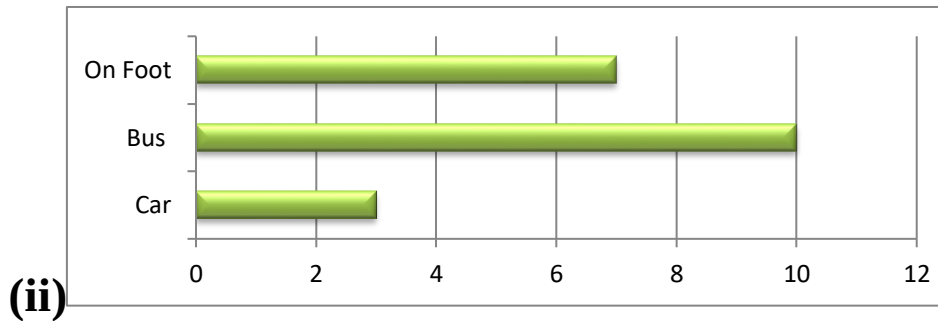
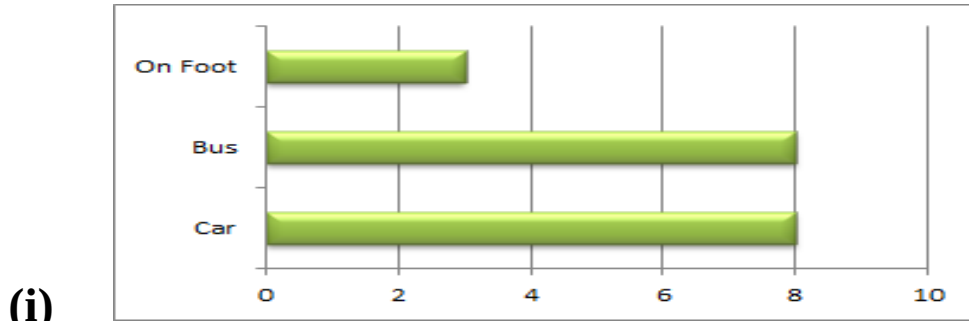
$$10 + 10 + 10 = 30$$

$$40 - 30 = 10$$

Test item-9: The following data shows number of students from class I to III coming to school by different ways.

Class	Car	Bus	On foot
I	3	10	7
II	8	3	7
III	8	8	3

Following three graphs are made for the three classes:



Select the correct combination for the data given and the graph shown for each class:

	I	II	III
Option A:	(i)	(iii)	(ii)
Option B:	(iii)	(ii)	(i)
Option C:	(ii)	(iii)	(i)
Option D:	(i)	(ii)	(iii)

Correct option: (C)

Test item-10: Manohar has made this table according to the colors by counting the flowers blossoming in the bed.

Colour of flower	Number of flowers
Red	7
Blue	10
Orange	9
Yellow	5

Who amongst the following concluded incorrect information from the table?

Adwit: there are total 31 flowers blossoming in the bed

Rohan: Number of yellow coloured flowers **is** less than the red closed flowers

Jacob: Number of yellow and red coloured flowers altogether is less than the number of blue coloured flower

Fahim: Number of orange coloured flowers is more than the blue closed flowers

Answer: Fahim

Hints/ Solution

Adwit is correct as : Total number of flowers = $7 + 10 + 9 + 5 = 31$

Rohan is correct as : Total number of yellow colored flowers = 5 and total number of red closed flowers = 7.

Jacob is correct as : Total number of yellow and red coloured flowers altogether **is** 12(=5+7) and total number of blue colored flowers = 10

Fahim is incorrect as : number of orange flowers is one less than number of blue colored flower.