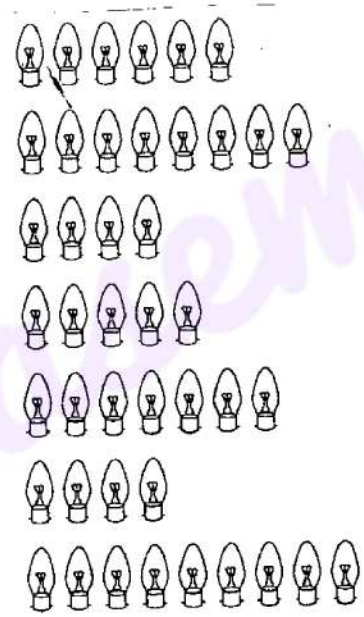
Chapter-
Data handling-II (Pictographs)

Exercise 22.1

Q.1 The sale of electric bulbs on different days of a week is shown below:

Days	Number of bulbs (= 2 bulbs)
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	



Observe the pictograph and answer the following questions:

(i) How many bulbs were sold on friday?

(ii) On which day maximum number of bulbs were sold?

(iii) If one bulb was sold at the rate of Rs. 10, what was the total earning on Sunday?

(iv) Can you find out the total earning of the week?

(v) If one big carton can hold 9 bulbs. How many cartons were needed in the given week, more than 7, More than 8 or more than 9?

Solution: (i) Number of bulbs sold on friday = 7×2
= 14 bulbs.

(ii) on friday, maximum number of bulbs sold?

(iii) Number of bulbs sold on Sunday = 9×2
= 18 bulbs.

∵ S.P of one bulb = Rs. 10

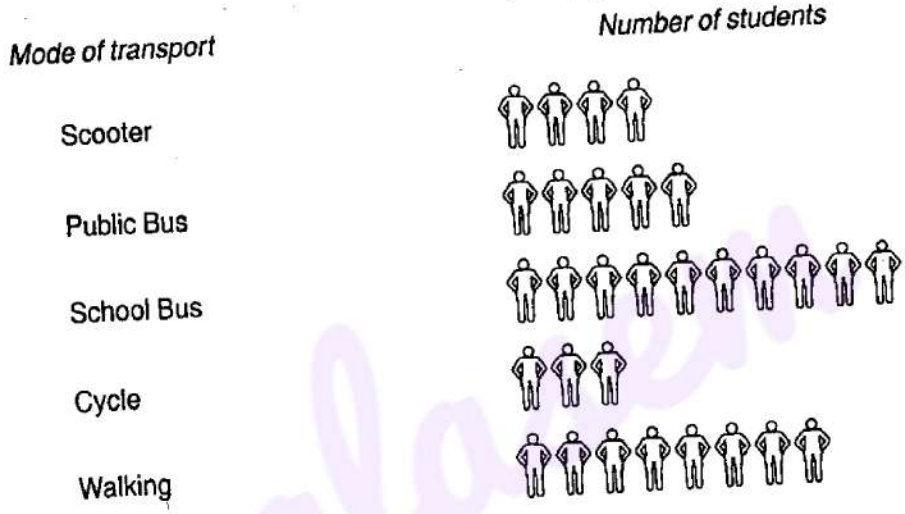
Then, Total earning on sunday = 18×10
= Rs. 180

(iv) Number of bulbs sold on Monday = 6×2 = 12 bulbs.
on Tuesday = 8×2 = 16 bulbs
on Wednesday = 4×2 = 8 bulbs.
on Thursday = 5×2 = 10 bulbs.
on friday = 7×2 = 14 bulbs
on Saturday = 4×2 = 8 bulbs
on Sunday = 9×2 = 18 bulbs.

∴ Total bulbs sold in week = 12+16+8+10+14
+8+18 = 86 bulbs

Hence earning of week = 86×10 = Rs. 860.

Q.2 A survey was carried out in a certain School to find about different modes of transport used by students to travel to school each day. 30 students of Class VI were interviewed and the data obtained was displayed in the form of a pictographs given below



Look at the above pictograph and answer the following questions.

(i) How many students are using cycle or walking as a mode of travel ?

(ii) Which is the most popular mode of travel.

Solution : (i) No. of students using cycle = 3

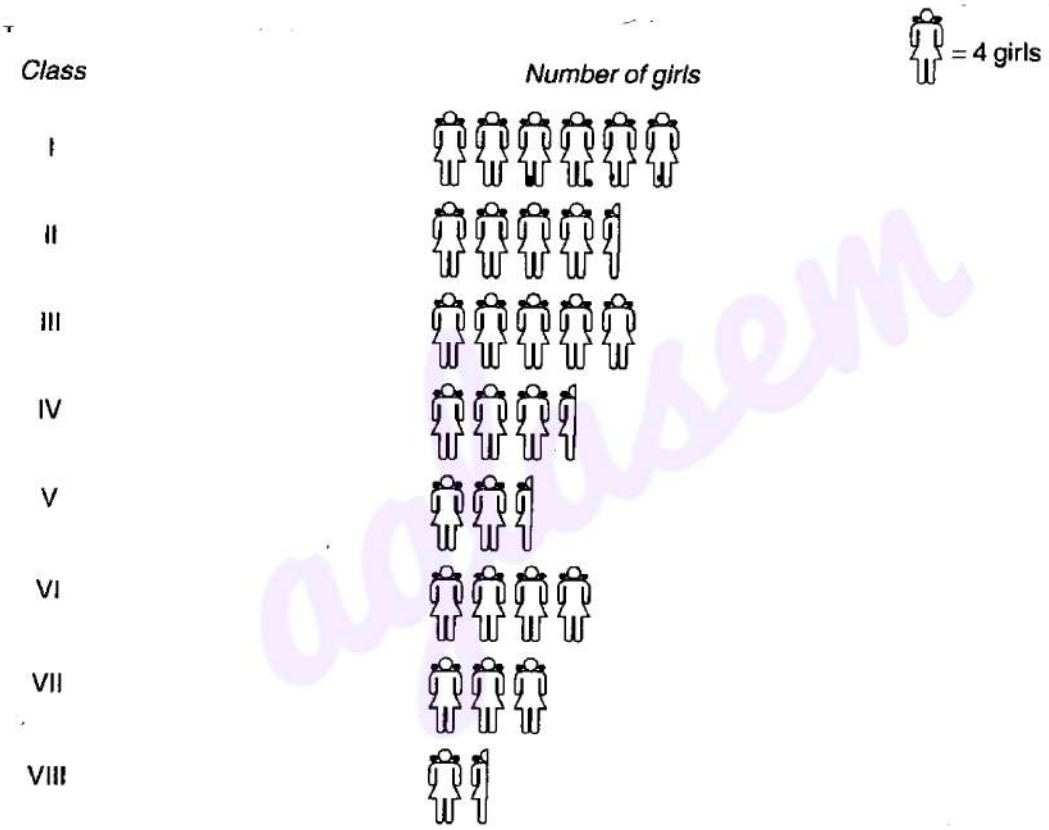
No. of students using walking = 8

∴ Total students = 3+8

= 11 students

(ii) School bus is a most popular mode of travel as 10 students are using bus for come to school.

Q3 The number of girl students in each class of Co-ed. Middle school is depicted by the following pictograph.



Observe the above pictograph and answer the following questions.

(i) Which class has the maximum number of girl students

(ii) Is the number of girls in class VI is less than the number of girls in class V?

(iii) How many girls are there in VI class?

Solution :-

∴  = 4 girls

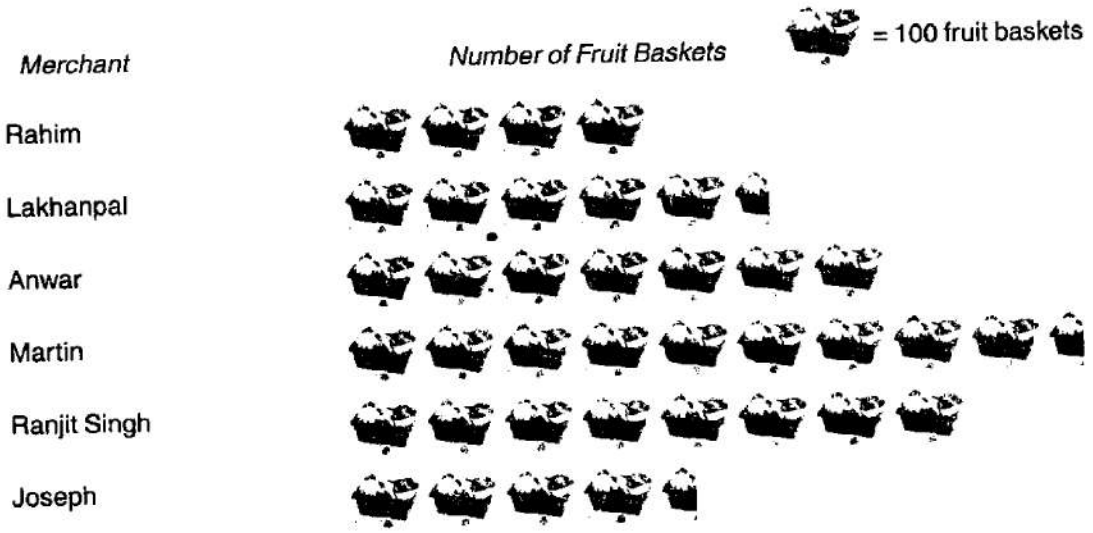
(i) Class I has Maximum number of girls students equals to = 6 × 4
= 24 girls.

(ii) No. of girls in class VI = 4 × 4 = 16 girls.
No. of girls in class V = (2 × 4) + ($\frac{1}{2}$ × 4)
= 8 + 2 = 10 girls

∴ No, the number of girls in VI is not less than the number of girls in class V.

(iii) Number of girls in class VII = 3 × 4 = 12 girls.

Q4 In a village six fruit merchants sold the following number of fruit baskets in particular season



observe the above pictograph and answer the following questions.

(i) Which Merchant sold the maximum number of basket

(ii) How many fruit basket were sold by Anwar.

(iii) The Merchants who have sold 600 or more number of baskets are planning to buy a godown for the next season. Can you name them?

Solution: (i) From the pictograph we see that Martin

Sold maximum number of fruits = 9.5×100

= 950 fruit baskets

(ii) Fruit baskets sold by Anwar = $7 \times 100 = 700$

(iii) From the above pictograph, we observe that,

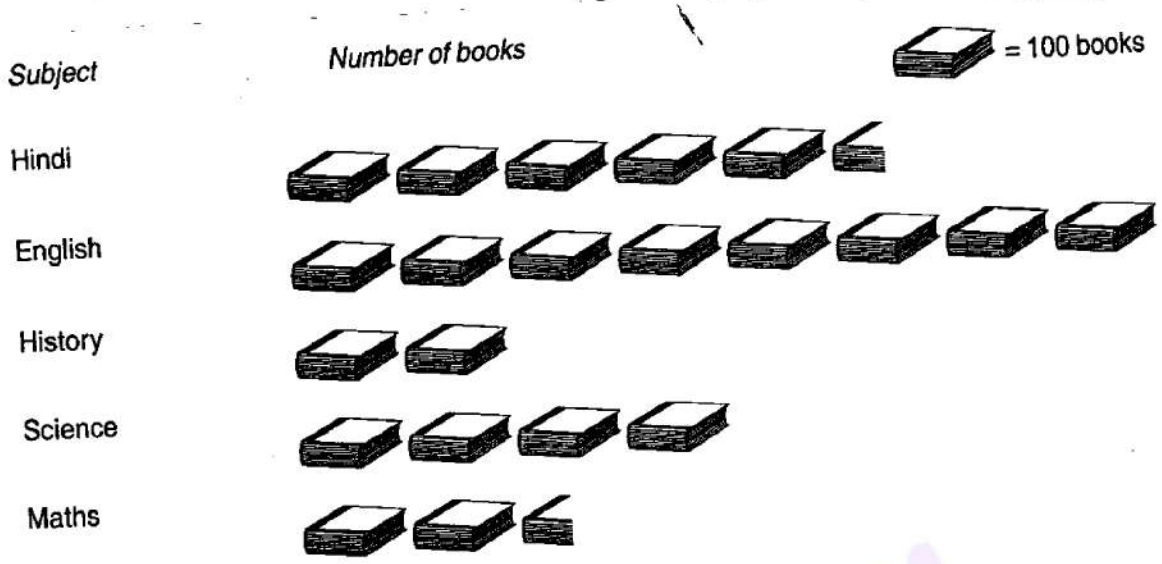
fruit basket sold by Anwar = $7 \times 100 = 700$

fruit basket sold by Martin = $9.5 \times 100 = 950$

fruit basket sold by Ranjit Singh = $8 \times 100 = 800$

Here Anwar, Martin and Ranjit singh are planning to buy a godown for the next season

5. The pictograph shows different subject books which are kept in a library.?



(i) How many english books are there in a library ?

(ii) How many maths books are there ?

(iii) which books are maximum in number ?

(iv) which books are minimum in number ?

Sol: (i) ∵ 1 figure = 100 books.

No. of english books = $8 \times 100 = 800$ books.

(ii) Number of Maths books = $2.5 \times 100 = 250$ books.

(iii) English books are Maximum = $8 \times 100 = 800$ books.

(iv) History books are Minimum = $2 \times 100 = 200$ books.