EXERCISE 33(B)

1. The sale of vehicles, in a particular city, during the first six months of the year 2016 is shown below:

Month	Jan	Feb	March	April	May	June
Number of vehicles sold	3000	2500	4000	1000	1500	3500

Draw a pictograph to represent the above data

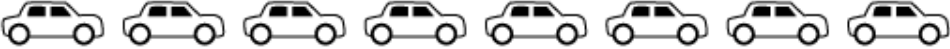**Solution:**

Let us consider one 🏍 = 500 vehicles sold

Hence, the pictograph to represent the data is shown below

2. The following pictograph shows the number of cars sold by four dealers A, B, C and D in a city. Scale: 🚗 = 50 cars

Dealer	Number of c
A	🚗 🚗 🚗 🚗 🚗 🚗
B	🚗 🚗 🚗 🚗 🚗
C	🚗 🚗 🚗 🚗 🚗 🚗 🚗 🚗
D	🚗 🚗 🚗 🚗

Using the pictograph, drawn above, answer the following questions:
(i) How many more cars has dealer A sold as compared to dealer D?
(ii) What is the total number of cars sold by all the dealers?
Solution:
Given
One figure = 50 cars
Hence, cars sold by dealer A and D can be calculated as below
Cars sold by A = 6 × 50
= 300 cars
Cars sold by D = 4 × 50
= 200 cars
Total cars sold by A than D = 300 – 200
= 100
Hence, A sold 100 more cars than D
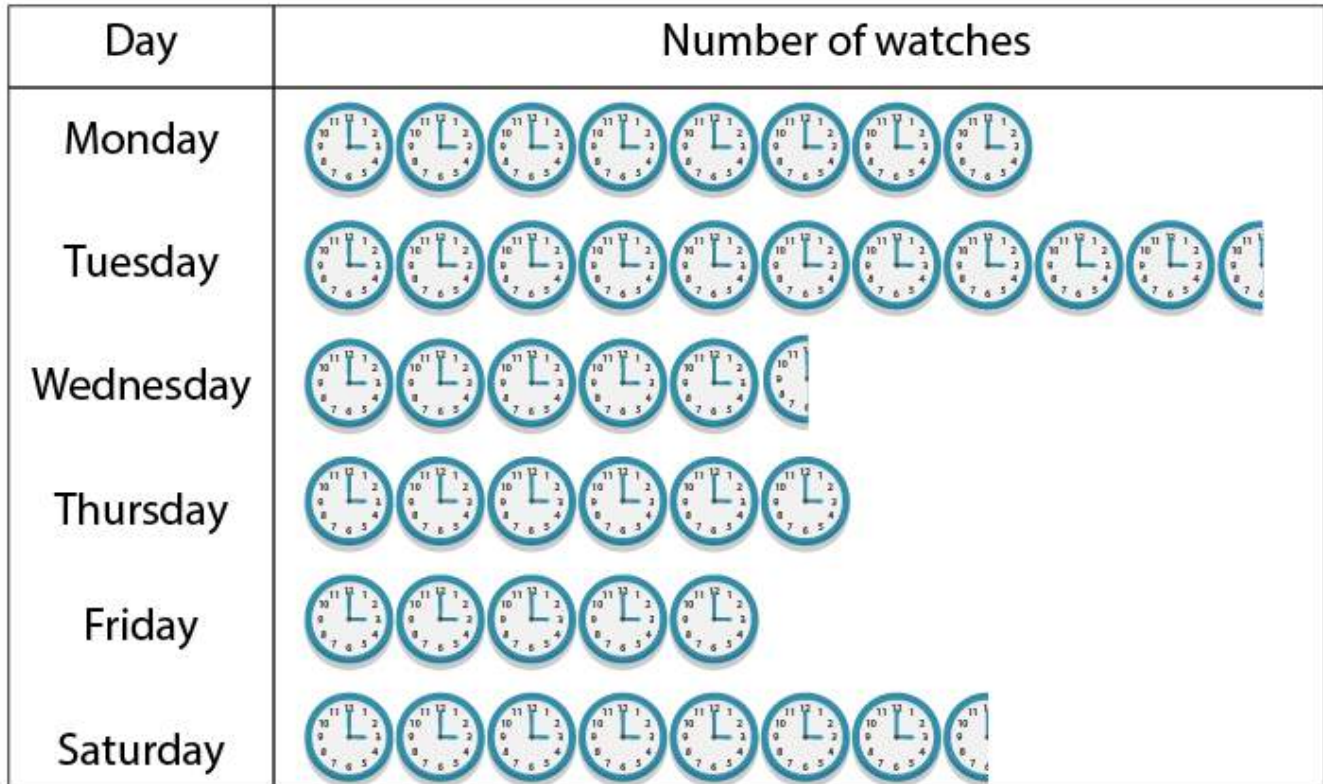(ii) Total number of cars = 23
Scale = 50 cars
Hence,
Total number of cars sold by all the dealers can be calculated as below
Total number of cars sold = 23 × 50
= 1150 cars
Hence, total number of cars sold by all the dealers is 1150 cars

3. The following pictograph shows the number of watches manufactured by a factory, in a particular weeks.

Scale: = 100 watches

Find

(i) on which day were the least number of watches manufactured?

(ii) total number of watches manufactured in the whole week?

Solution:

(i) The day on which the least number of watches are manufactured is Friday

Number of watches manufactured on Friday = 100×5

= 500 watches

(ii) Total number of watches manufactured in the whole week can be calculated as below

Total number of watches manufactured = 100×42.5

= 4250 watches

4. The number or animals in five villages are as follows:

Village	A	B	C	D	E
No. of animals	160	240	180	80	120

Prepare a pictograph of these animals using one symbol to represent 20 animals.

Solution:

Let represents 20 animals

Hence, the pictograph representing animals in five villages are as follows:

Village	Number of animals
A	🦆🦆🦆🦆🦆🦆🦆🦆
B	🦆🦆🦆🦆🦆🦆🦆🦆🦆🦆🦆🦆
C	🦆🦆🦆🦆🦆🦆🦆🦆🦆
D	🦆🦆🦆🦆
E	🦆🦆🦆🦆🦆🦆

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

Subject	Number of books
Hindi	
English	
Math	
Science	
History	

Taking symbol of one book = 50 books, find:
(i) how many History books are there in the library?
(ii) how many Science books are there in the library?
(iii) Which books are maximum in number?
Solution:
(i) Given
One book = 50 books
Hence, total number of History books can be calculated as below
Total number of History books = 50 × 4
= 200 books
Therefore, there are 200 History books in the library
(ii) Given
One book = 50 books
Hence, total number of Science books can be calculated as below
Total number of Science books = 50 × 5.5
= 275 books
Therefore, there are 275 Science books in the library
(iii) From the given pictograph, English books are maximum in number in the library
Given
One book = 50 books
Hence, total number of English books can be calculated as below
Total number of English books = 50 × 9

= 450 books

Therefore, there are 450 English books in the library