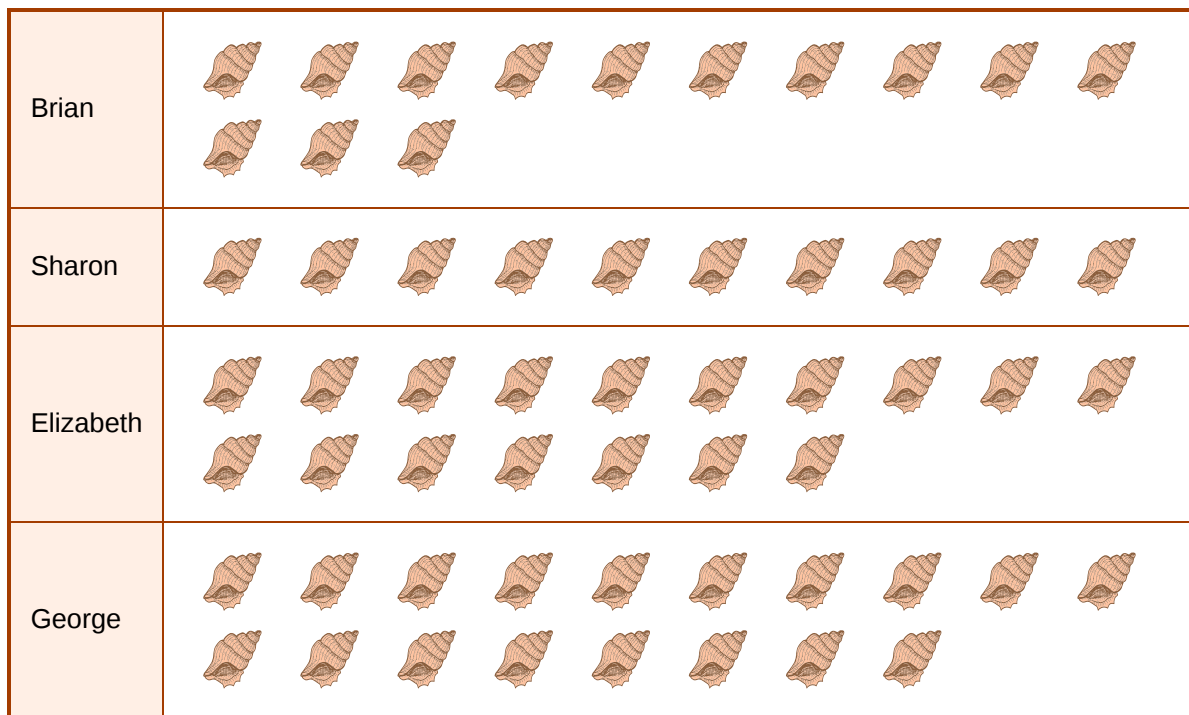


Fill in the blanks

(1) Look at the picture graph which shows the number of shells collected by four friends.







collected the least number of shells.

- (2) Following are the marks obtained by 72 students in Geography. Arrange these marks in a table using tally marks.

7	7	9	9	7	6	5	3	4	9	4	2
7	2	5	8	6	8	2	2	6	6	6	5
3	6	3	9	6	6	7	7	4	7	2	6
9	8	8	9	5	8	3	8	8	2	9	8
5	8	9	7	6	5	6	5	6	2	7	7
9	3	4	2	7	2	6	5	6	2	3	9






- (a) _____ students obtained more than 6 marks.
- (b) _____ students obtained marks equal to or below 2.
- (3) The following pictograph shows the number of students using various modes of transportation for going to their schools.

On foot	
On bicycle	
By school bus	
By car	

If each picture represents 40 students using that mode, answer the question given below:

The number of students who go to school on foot are _____.

- (4) The tally chart shows the items sold during the weekends. Use the information from the tally chart to answer the questions.


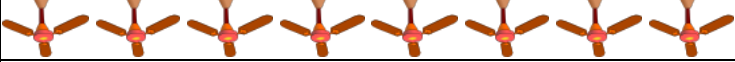
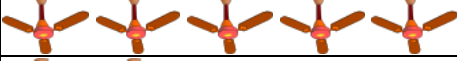

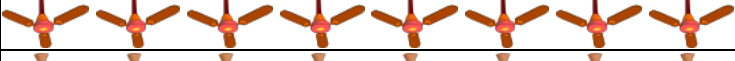
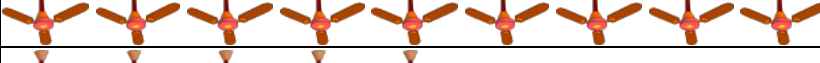
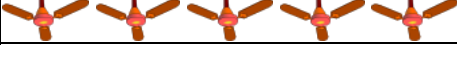
Food Items	Tally Marks
Fried rice	
Pizza	
Cake	
Burger	
Ice-cream	

Find the following:

- (a) The sale of _____ is maximum.
- (b) _____ Fried rice were sold in all.

Answer the questions







- (5) The following pictograph shows the number of fans manufactured by 6 factories in a day.

Factory	Fans ( = 2 fans)
1	
2	
3	
4	
5	
6	

Find the following:

- (a) The factory which manufactures the maximum number of fans.
- (b) The factory which manufactures the minimum number of fans.
- (c) Total number of fans manufactured by all factories in a day.

(6) The following pictograph shows the number of pears in 6 bags.

Bag	pears
1	
2	
3	
4	
5	
6	

Find the following.

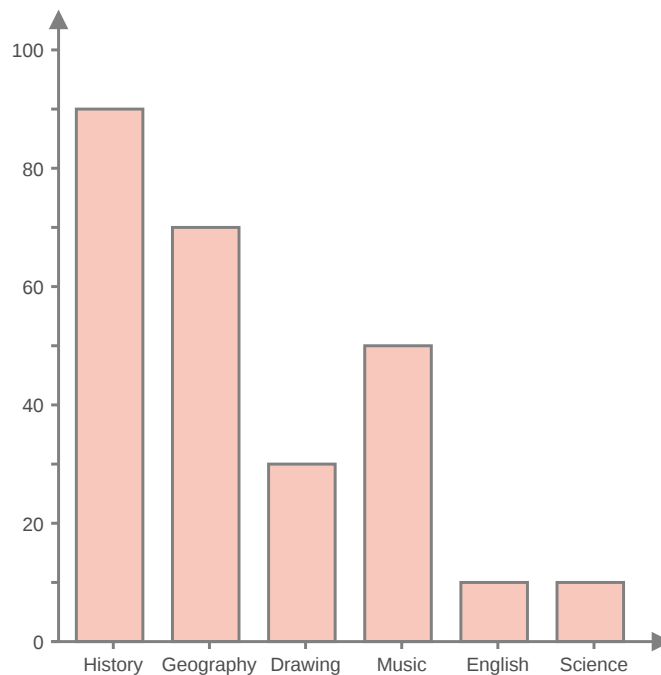
- Bag with the maximum number of pears.
- Bag with the minimum number of pears.
- Total number of pears in all the bags.

(7) The given table shows the books borrowed during the week.

Number of books borrowed by each student	2	7	0	9	7	5
Number of students	39	44	25	35	43	32

How many students borrowed more than 5 books?

(8) The following bar chart shows the marks obtained by Carol in her class 9 examinations.








- Name the subject in which Carol obtained the maximum marks.
- Name the subject in which Carol obtained the least marks.
- What is her combined score in Geography and English?

(9) Represent the following information through a bar graph.

Fruits	Quantity
Apple	70
Orange	40
Pear	10
Papaya	50
Pineapple	20
Plum	30

(10) The following pictograph shows the number of girls in each class of a girls school.

Class	Number of girl students ( = 9 girls)
1	
2	
3	
4	

Find :

- The class which has the maximum number of girls.
- The class which has the minimum number of girls.
- The total number of girls in the school.



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(1) Sharon

Step 1

Let us count the number of shells collected by the four friends.

Brian collected 13 shells.

Sharon collected 10 shells.

Elizabeth collected 17 shells.

George collected 18 shells.

Step 2

Here, we have to find the person who collected the least number of shells. For this, let us arrange the number of shells in ascending order.

10 shells < 13 shells < 17 shells < 18 < shells

We find that the least number of shells collected is 10.









Step 3

So, **Sharon** collected the least number of shells.

(2) 30 10

Step 1

To count the marks obtained by the students, look at the following tally table:

Marks	Tally Marks	Number of students
2		10
3		6
4		4
5		8
6		14
7		11
8		9
9		10

Step 2

Number of student who scored more than 6 marks

Or, the number of students who scored marks 7, 8, 9 = $11 + 9 + 10$
= **30 students**

Step 3

Number of student who scored marks equal or less than 2

Or, the number of students who scored marks 2 = 10
= **10 students**

(3) 160

As there are 4 pictures representing the number of students going to school on foot.

Also, we know that each picture represents 40 students.






Thus, number of students who go to school on foot = $4 \times 40 = 160$

(4) Ice-cream

12

Step 1

First, let us count the tally marks for each item to find the exact number.

Food Items	Tally Marks	Number of Items
Fried rice		12
Pizza		13
Cake		14
Burger		16
Ice-cream		17

Step 2

Here, we notice that,


(a) **Ice-cream** have the most count, i.e., 17.

Step 3

(b) Number of Fried rice sold in all = 12

- (5) (a) 5
(b) 3
(c) 74

Step 1

If we look at the pictograph, we will notice that each  = 2 fans.

Therefore,

- Number of fans manufactured by the factory 1 = $8 \times 2 = 16$ fans
- Number of fans manufactured by the factory 2 = $5 \times 2 = 10$ fans
- Number of fans manufactured by the factory 3 = $2 \times 2 = 4$ fans
- Number of fans manufactured by the factory 4 = $8 \times 2 = 16$ fans
- Number of fans manufactured by the factory 5 = $9 \times 2 = 18$ fans
- Number of fans manufactured by the factory 6 = $5 \times 2 = 10$ fans

Step 2

(a) Therefore, the factory which manufactures the maximum number of fans: **5**.

(b) The factory which manufactures the minimum number of fans: **3**.

(c) Total number of fans manufactured by all the factories in a day = $16 + 10 + 4 + 16 + 18 + 10 = 74$ fans

- (6) (a) 3 and 4
(b) 2 and 6
(c) 24

Step 1

(a) It is clear from the given pictograph that there are 6 pears in the bags 3 and 4. This is the maximum number of pears in all the bags.

Therefore, we can say that the bags **3,4** have the maximum number of pears.

Step 2

(b) It is clear from the given pictograph that there are 2 pears in the bags 2 and 6. This is the minimum number of pears in all the bags.

Therefore, we can say that the bags **2,6** have the minimum number of pears.

Step 3

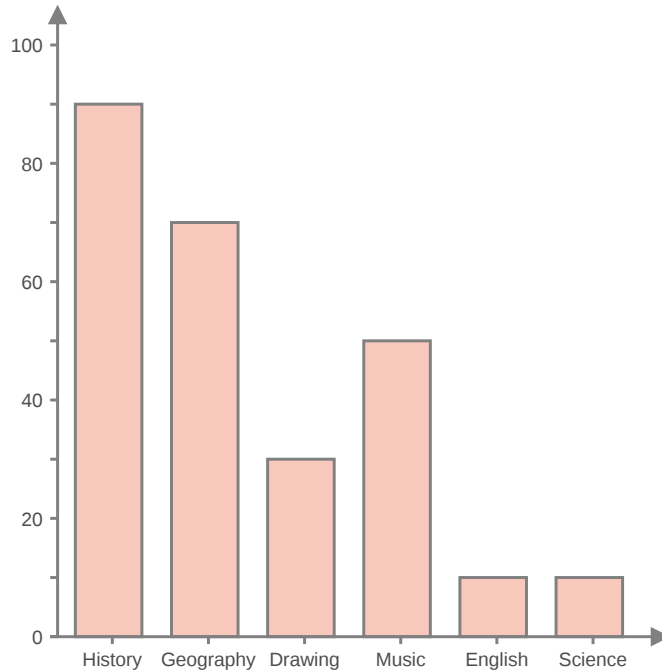
(c) Total number of pears in all the bags = Sum of the pears in all the 6 bags
 $= 3 + 2 + 6 + 6 + 5 + 2$
 $= 24$ pears

(7)

We are told that 39 students read 2 books,39 students read 2 books,39 students read 2 books,39 students read 2 books

- (8) (a) History
 (b) English and Science
 (c) 80

Step 1



If we look at the graph, we will notice that x-axis and y-axis show the subjects and marks of Carol in class 9 examinations, respectively.

Step 2

(a) Since the graph shows the maximum value against the subject History, the subject in which Carol obtained the maximum marks is **History**.

Step 3

(b) Since the graph shows the minimum value against the subjects English and Science, the subjects in which Carol obtained the least marks are **English and Science**.

Step 4

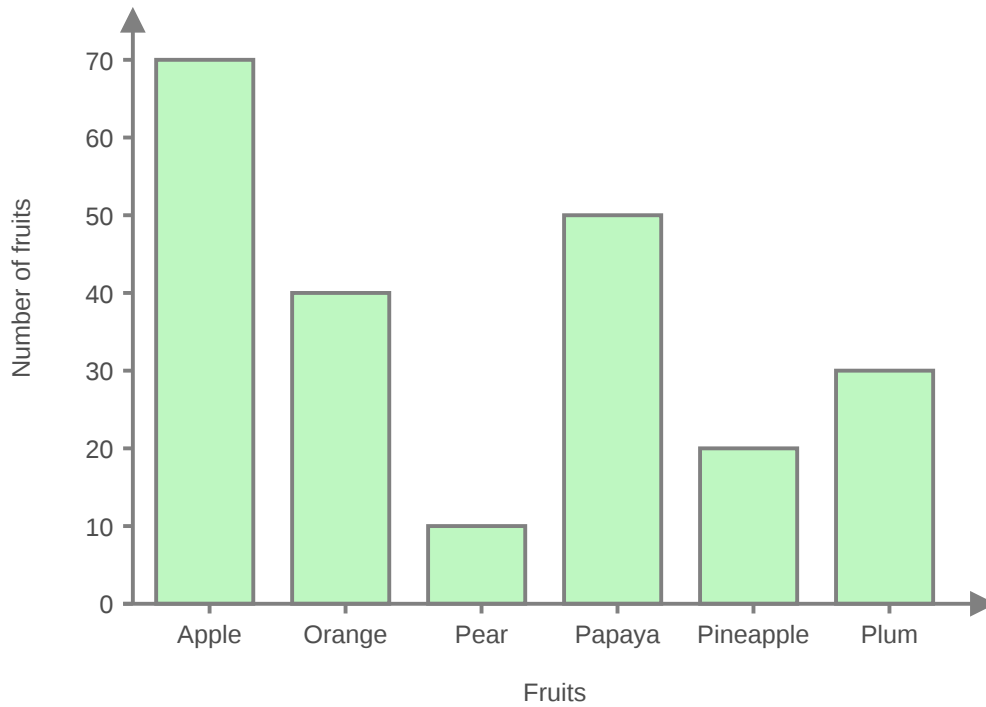
(c) The graph shows 70 against Geography. Thus, the marks obtained by Carol in Geography are **70**.

The graph shows 10 against English. Thus, the marks obtained by Carol in English are **10**.

Step 5

The combined score of Carol in Geography and English = $70 + 10 = 80$.

(9)

**Step 1**

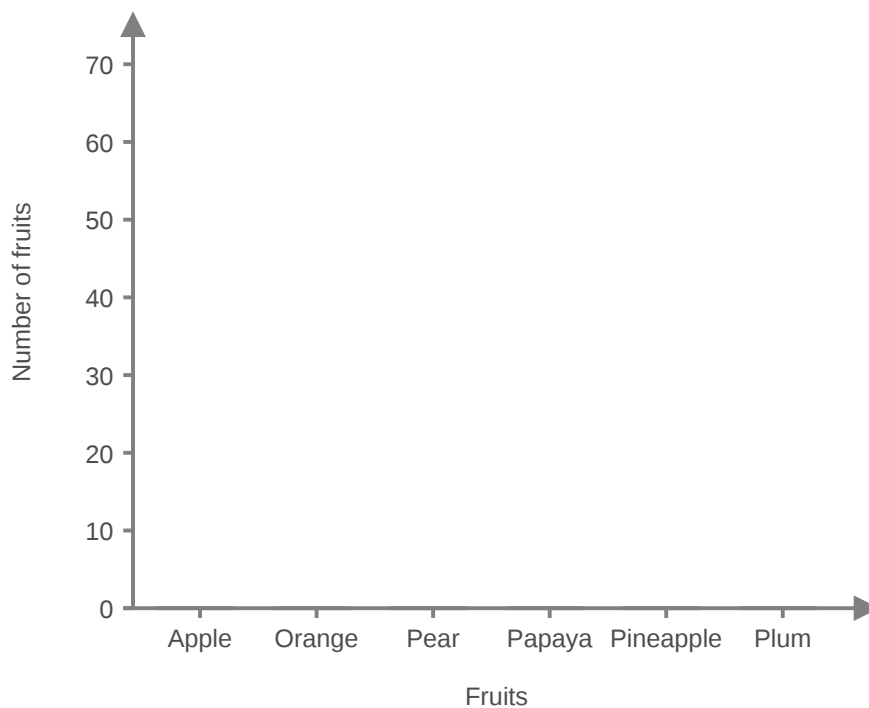
We are given, a table which shows fruits' name and the quantity of each fruit. We need to represent this information through a bar graph.

Step 2

On a paper, draw two lines perpendicular to each other, intersecting at O.

Along the horizontal line, choose the fruit's name at the points that are taken at a uniform gap.

Along the vertical line, we will choose a scale 1 mark = 10 fruits.

**Step 3**

According to the table, there are 70 apples.

70 apples = 7×10 apples = 7 marks

Therefore, the bar for apples is 7 marks are high.

Step 4

Similarly, the heights of the other fruits are

Orange = 4 marks

Pear = 1 mark

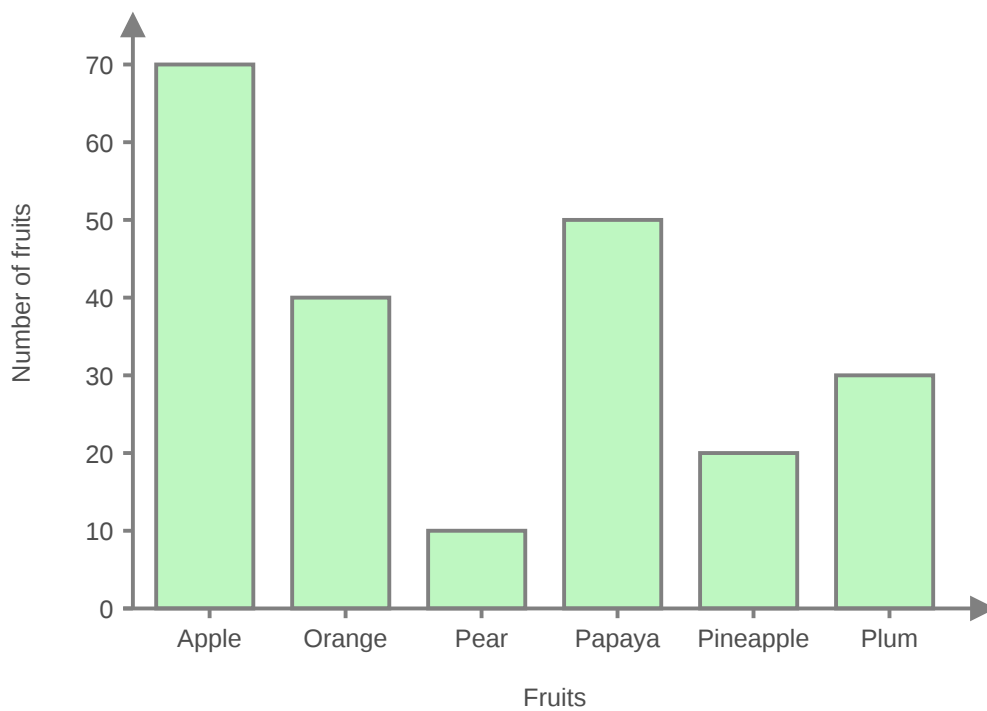
Papaya = 5 marks

Pineapple = 2 marks

Plum = 3 marks

Step 5






Now we will draw rectangular bars for each fruit with respective height.



This is the required bar graph.

- (10) (a) 3
 (b) 1 and 2
 (c) 144

Step 1

Class	Number of girl students ( = 9 girls)
1	
2	
3	
4	



If we look at the pictograph carefully, we will notice that:

(a) Class **3** has the maximum number of girls.

Step 2

(b) Class **1 and 2** has the minimum number of girls.

Step 3

(c) Total number of  in the school = The sum of the  of each class = $2 + 2 + 8 + 4 = 16$.

Step 4

Since,  = 9 girls.

Therefore, the total number of girls in the school = $16 \times 9 = 144$.



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