

Chapter – 6

Information Processing

Ex 6.1

a. Fill in the boxes 1,2 3 and 4

Question 1.

1		3
	5	
7	8	

Answer:

1	2	3
4	5	6
7	8	9

Question 2.

1		2
3		1

Answer:

1	3	2
2	1	3
3	2	1

Question 3.

2		
	2	
		2

Answer:

2	1	3
3	2	1
1	3	2

Question 4.

3		
	3	
		3

Answer:

3	2	1
1	3	2
2	1	3

b. Solve 3×3 magic square using the numbers from 1 to 9. So that the sum is 15 both horizontally and vertically.

			15
			15
			15
15	15	15	

Answer:

6	1	8	15
7	5	3	15
2	9	4	15
15	15	15	

C. Complete the following 4×4 Sudoku by using the numbers 1, 2, 3, 4

Question 1.

1			
	4		
4			
	3		1

Answer:

1	2	3	4
3	4	1	2
4	1	2	3
2	3	4	1

Question 2.

		1	
	4		
3			2

Answer:

2	3	1	4
4	2	3	1
1	4	2	3
3	1	4	2

Question 3.

	1	3	
2			1

Answer:

1	4	2	3
4	1	3	2
3	2	1	4
2	3	4	1

**d. Can you spot the duplicate?
DEF, EFD, FDE, EFD, FED, DFE, EDF**

Answer:

EFD

**e. Can you find the mistake? Explain
ABC, ACB, BCA, BAA, CAB, CBA**





Answer:

BAA – [Two letters are same]

Ex 6.2(b)

Question 1.

The following table shows the weight of paddy cultivated in a particular village during the years 2010 to 2015

Year	Paddy production
2010	
2011	
2012	
2013	
2014	
2015	

 = 100 kg

Observe the pictograph and answer the following questions.

(a) In which year paddy production was maximum?

Answer:

2010 (500 kg)

(b) In which year paddy production were equal?

Answer:

2012, 2014

(c) Find the quantity of paddy production in 2015.

Answer:

200 kg

(d) Find the total quantity of paddy production particularly 2013, 2014, and 2015.

Answer:

$200 + 300 + 200 = 700$ kg

Question 2.

The total number of pupil studying in 5 school in a particular are as follows

GHSS: 1000

PUPS: 200

BHSS: 400

PUM5: 400

Private nursery School: 800

Prepare a pictograph using the symbol 🧒 to represent 100 Pupil and answer the following question:

1. Which school has the maximum number of pupil?

2. Which school has the least number of pupil?

Answer:

School Name	No of Pupils
GHSS	👧👧👧👧👧👧👧👧👧👧
PUPS	👧👧
BHSS	👧👧👧👧
PUMS	👧👧👧👧
Private nursery school	👧👧👧👧👧👧👧👧

1. Which school has the maximum number of pupil?

Answer:

GHSS

2. Which school has the least number of pupil?

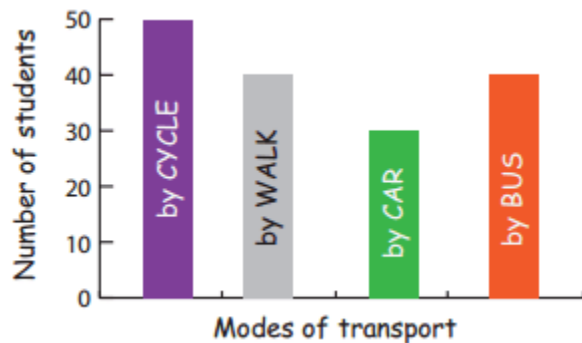
Answer:

PUPS

Ex 6.2(c)

Question 1.

The bar chart represents the number of students using different modes of transport. Observe and answer the following questions.



Questions and Answers

a. Which mode of transport is mostly used by the students?

Answer:

Bicycle.

b. How many students come to school by walking?

Answer:

40 students.

c. Which mode of transport is used the least?

Answer:

car.

d. How many students come to school by Bus?

Answer:

40 students.

Question 2.

The following information shows the grades of science and maths of 30 students of class 5.

		Maths Grade				
		A	B	C	D	E
Science Grade	A	2	8			
	B		1	4		
	C		2	3		
	D			4	2	
	E		1	0	2	1

Answer the following question.

a. How many students got equal grades in both subjects.

Answer:

Two

b. How many students got a higher grade in science than in maths?

Answer:

Eight

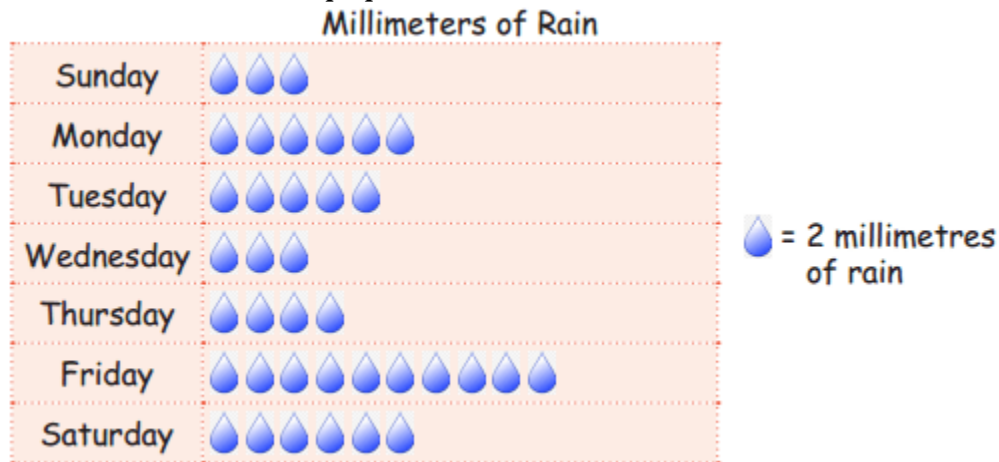
c. Which was the most common grade in science?

Answer:

c.

Question 3.

Mr. Binesh collected the information about the rainfall of a particular city in a week from the newspaper and recorded his information in the pictograph.



Answer the following question.

a. On which day, the rain was most?

Answer:

Friday (20 mm).

b. On which day, the rain was least?

Answer:

Sunday & Wednesday (6 mm).

c. How much rain was there on Sunday?

Answer:
6 mm.

d. How much rain was there on Monday?

Answer:
12 mm.

e. Find total rainfall of the city in that week?

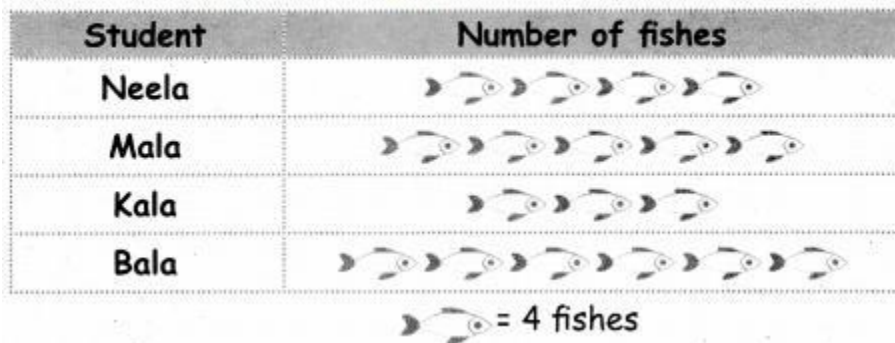
Answer:
74 mm.

Question 4.

Neela, Mala, Kola and Bala were neighbours. The following data shows the number of fish in each of their fish tank, brow pictograph to represent the data and answer the questions.

Neela	Mala	Kala	Bala
16	20	12	24

Pictograph



Answer the following question.

a. How many fishes did bala have? _____

Answer:
24.

b. Who has 16 fishes? _____

Answer:
Neela.

c. How many fewer fish did Kala have than Mala? _____

Answer:
8.

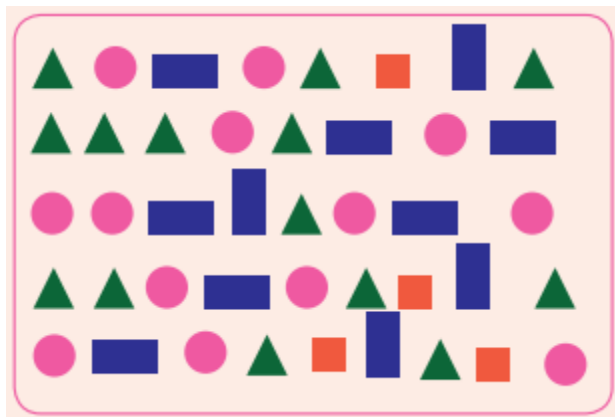
d. How many fish did Neela and Bala have altogether? _____

Answer:
40 fish.





Intext Questions

Activity (Text Book Page No.86)





The Fifth standard students were given a task of collecting mathematical shapes in a competition. Team named Shakuntala devi won the competition.



Let us count the shapes collected by the winning team.

Shapes				
Numbers				

Answer:

Shapes				
Numbers	14	11	13	4

Activity (Text Book Page No.87)

Total stock of household articles at the end of the month in a mart is given below. Answer the following questions.



Questions and Answers

Question 1.

How many chairs are there in the stock list?

Answer:

9

Question 2.

Name the articles that are lesser in count than the count of cots.

Answer:

Tri footed stools

Question 3.

What is the total number of things in the stock?

Answer:

27

Question 4.

How many tri footed stools were there?

Answer:

3

Question 5.

Mention the articles which is 3 greater than tri footed stool?

Answer:

Table mat

Activity (Text Book Page No.89)





The following information shows the number of literates in a village of 200 people. draw a pictograph for that data.

Education	Numbers
Up to Eight standard	20
Up to Tenth standard	50
Up to Twelfth standard	70
Under graduate	10
Post graduate	10
Up to fifth standard	10
Illiterates	30

Answer:

●
= 10 numbers

Education	Numbers	Answer
Up to Eight standard	20	●● = 20
Up to Tenth standard	50	●●●●● = 50
Up to Twelveth standard	70	●●●●●●● = 70

Under Graduate	10	
Post Graduate	10	
Up to Fifth standard	10	
Illiterates	30	

Activity (Text Book Page No.91)

The number of Two-Wheeler sold in a week in a showroom is given below. Represent the data using tally marks.

Sunday - 6	Wednesday - 5
Monday - 11	Thursday - 16
Tuesday - 3	Friday - 16
	Saturday - 4

Answer:

Days	Tally marks	No. of Bullet
Sunday		6
Monday		11
Tuesday		3
Wednesday		5
Thursday		16
Friday		16
Saturday		4

Activity (Text Book Page No.92)

In a mathematics test, the following marks were obtained by 30 students. Arrange these marks in a table using tally marks.

8	1	3	2	6	4	2	8	4	9
2	9	5	7	6	2	7	10	2	4
3	4	7	5	5	5	6	3	8	6

- (a) Find how many students obtained marks equal to or more than 8 ?
 (b) How many students obtained marks below 4 ?

Answer:

Marks	Tally marks	Number of students
1	I	1
2		5
3		3
4		4
5		4
6		4
7		3
8		3
9		2
10	I	1

- (a) Find how many students obtained marks equal to or more than 8 ?

Answer:

6 Students

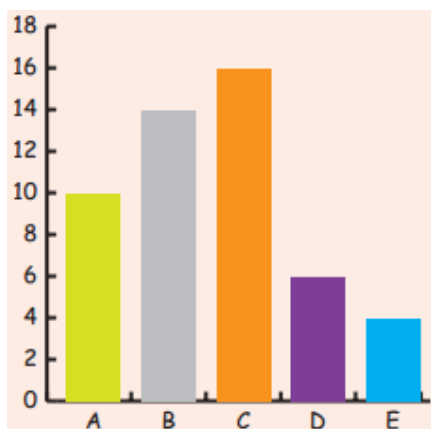
- (b) How many students obtained marks below 4 ?

Answer:

9 students

Activity (Text Book Page No.94)

The following information is collected from 50 students of class V about their grades in exams. Complete the following table from the bar graph.



Grade	Tallymark	No. of students
A	 	10
B	 	14
C	 	
D		
E		

Answer:

Grade	Tally marks	Number of students
A	 	10
B	 	14
C	 	16
D	 	6
E		4