MATHS

BOOKS - SWAN PUBLICATION

DATA HANDLING

Exercise 14 1

1. The heights (in cm) of students of a class 6th were recorded as below:

116,117,125,116,118,120,125,121,124,117,116,115,119,121,

124,117,116,119,123,120,116,121,119,   116,118,125,116,119,

123,122,121,120 Arrange the data in a tabular form

using tally marks.

2. The weight of 25 students (in kg) are given

below

25,34,32,28,25,28,34,32,32,34,32,25,28,34,34,28,28,25,32,

33,32,34,33,32,25

Arrange the data in a tabular form using tally

marks.

3. Ekta is asked to collect data for size of shoes of students in her class 6th. Her finding are recorded in the manner shown below:

5	4	7	5	6	7	6	5	6	6	5
4	5	6	8	7	4	6	5	6	4	6
5	7	6	7	5	7	6	4	8	7	

Arrange the data in a tabular form using tally marks.

4. Shweta threw a dice 40 times and noted the number appearing , each time as shown below:

1	3	5	6	6	3	5	4	1	6
2	5	3	4	6	1	5	5	6	1
1	2	2	3	5	2	4	5	5	6
5	1	6	2	3	5	2	4	1	5

Make a table and enter the data using tally marks. Find the number that appeared : (i) The minimum number of times, (ii) The maximum number of times.

5. The students of class 6th had a Maths test and scored marks out of 10, which are listed below:

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

(i) Organise the data using tally marks.

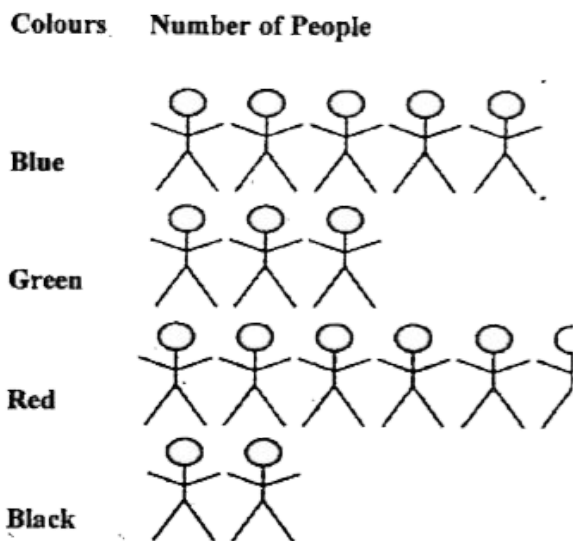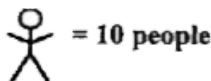(ii) How many students scored less than or equal to 6 ?

(iii) How many students scored more than 7 ?

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Exercise 14 2

1. The colour of refrigerators preferred by number of people living in a locality are shown by the following pictograph :
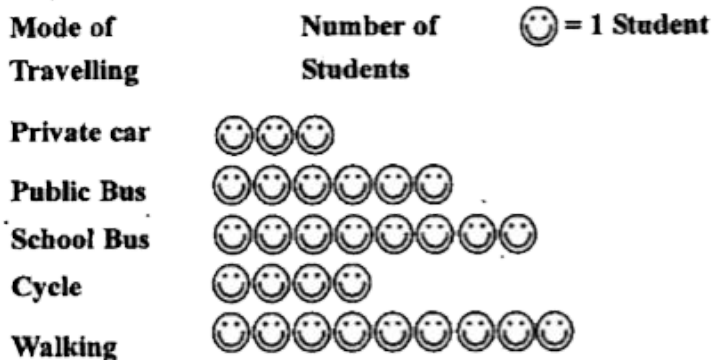

= 10 people

Colours	Number of People

Blue

Green

Red

Black

(i) Find the number of people preferring blue colour ?

(ii) How many people liked red colour ?

2. A survey was carried out on 30 students of class VI in a school. Data about different modes of transport used by them to travel to school was displayed through pictograph.

Mode of Travelling	Number of Students	☺ = 1 Student
Private car	☺☺☺	
Public Bus	☺☺☺☺☺	
School Bus	☺☺☺☺☺☺☺	
Cycle	☺☺☺☺	
Walking	☺☺☺☺☺☺☺☺☺	

Observe this pictograph and answer these questions ?

(i) How many students come on foot ?

(ii) By which mode of transport, less students come ?

3. Following is the pictograph showing books on different subjects kept in school library. Observe the pictograph and answer the following questions :

Subject	Number of books
English	📕📕📕
Punjabi	📕📕📕📕📕📕
Hindi	📕📕📕📕📕
Science	📕📕📕📕
Math	📕📕📕

(i) How many math books are there in the library ?

(ii) Which books are minimumJn number ?

(iii) Which books are maximum in number ?

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4. The number of desks in rooms of classes VI to X are given below:

Class	VI	VII	VIII	IX	X
No. of desks	30	50	40	35	45

Draw the pictograph by using any suitable scale.

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5. In the half yearly examination, the marks scored by a student in each subject out of 100 are given below :

Subject	Marks scored
English	70
Hindi	85
Maths	80
Science	65
Social Science	75

Draw a pictograph taking the scale in which one picture =10 marks and answer the following questions :

(i) In which subject the maximum marks are obtained ?

(ii) In which subject the student has to do more hard work ?

(iii) What is the difference between the maximum and minimum marks ?

6. Read the following information and choose the correct answer for given questions:

The marks received by Harjeet in different subjects are as follows:

Subjects	Punjabi	English	Hindi	Math	Science
Márks	43	40	45	48	37

In which subject, Harjeet scored maximum ?

A. Science

B. Hindi

C. Math

D. Punjabi

Answer: c

7. Read the following information and choose the correct answer for given questions: The marks received by Harjeet in different subjects are as follows:

Subjects	Punjabi	English	Hindi	Math	Science
Marks	43	40	45	48	37

in which subject, Harjeet scored minimum ?

A. Science

B. Hindi

C. Math

D. Punjabi

Answer: a

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8. Read the following information and choose the correct answer for given questions:

The marks received by Harjeet in different subjects are as follows:

Subjects	Punjabi	English	Hindi	Math	Science
Marks	43	40	45	48	37

How many marks he scored in Math ?

A. 40

B. 45

C. 48

D. 43

Answer: c

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9. Read the following information and choose the correct answer for given questions:

The marks received by Harjeet in different subjects are as follows:

Subjects	Punjabi	English	Hindi	Math	Science
Marks	43	40	45	48	37

How many marks he scored hi English ?

A. 40

B. 45

C. 48

D. 43

Answer: a

10. Read the following information and choose the correct answer for given questions:

The marks received by Harjeet in different subjects are as follows:

Subjects	Punjabi	English	Hindi	Math	Science
Marks	43	40	45	48	37

In how many subjects, he scored more than 45 ?

A. 2

B. 3

C. 4

D. 1

Answer: d

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11. The number of books sold by a shopkeeper on

the different days are shown below :

Days	No. of books sold
Monday	250
Tuesday	280
Wednesday	190
Thursday	175
Friday	220
Saturday	300

On which day, the sale is maximum ?

A. Saturday

B. Friday

C. Thursday

D. Wednesday

Answer: a

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12. The number of books sold by a shopkeeper on the different days are shown below :

Days	No. of books sold
Monday	250
Tuesday	280
Wednesday	190
Thursday	175
Friday	220
Saturday	300

On which day, the sale is minimum ?

A. Saturday

B. Friday

C. Thursday

D. Wednesday

Answer: c

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13. The number of books sold by a shopkeeper on

the different days are shown below :

Days	No. of books sold ·
Monday	250
Tuesday	280
Wednesday	190
Thursday	175
Friday	220
Saturday	300

On Friday, how many books are sold ?

A. 280

B. 220

C. 175

D. 300

Answer: b

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14. The number of books sold by a shopkeeper on the different days are shown below :

Days	No. of books sold
Monday	250
Tuesday	280
Wednesday	190
Thursday	175
Friday	220
Saturday	300

On Tuesday, how many books are sold ?

A. 220

B. 175

C. 280

D. 300

Answer: c

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15. The number of books sold by a shopkeeper on the different days are shown below :

Days	No. of books sold
Monday	250
Tuesday	280
Wednesday	190
Thursday	175
Friday	220
Saturday	300

How many books are sold on Saturday ?

A. 220

B. 175

C. 280

D. 300

Answer: d

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Exercise 14 3

1. Read the adjoining bar graph showing the number of students in a particular class of a school:
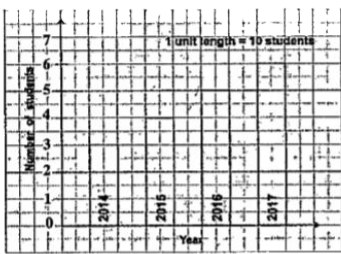
Answer tbe following questions :

(i) What is the scale of.this graph ?

(ii) How many students are there in 2016 ?

(iii) Is the number of students in the year 2017 twice the year 2014 ?

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2. Read the bar graph and answer the following questions :
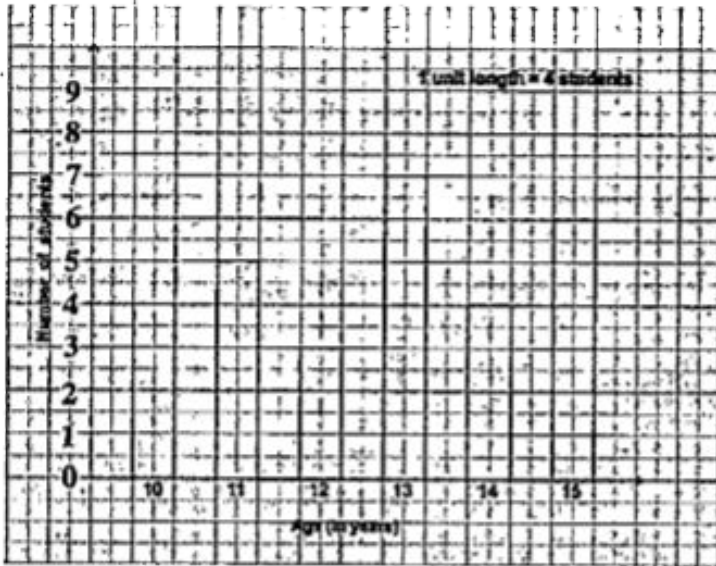
(i) What is the information given by the bar, graph ?

(ii) Which scale is used in this bar graph ?

(iii) What is the maximum age ? How many students have maximum age?

(iv) How many students have minimum age ?

(v) How-many students are 13 years old ?

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3. Read the given bar graph and answer the following questions:

(i) What information does the bar graph represent ?

(ii) What is the scale chosen for this graph ?

(iii) On which day were the maximum number of

shoes sold and how many ?

(iv) On which day were the minimum number of shoes sold and how many ?

(v) How many shoes were sold on Thursday ?

4. Read the bar graph which shows the number of books of different subjects in a library:

1 unit length = 20 books

Subjects: Computer, Social Science, Science, English, Mathematics
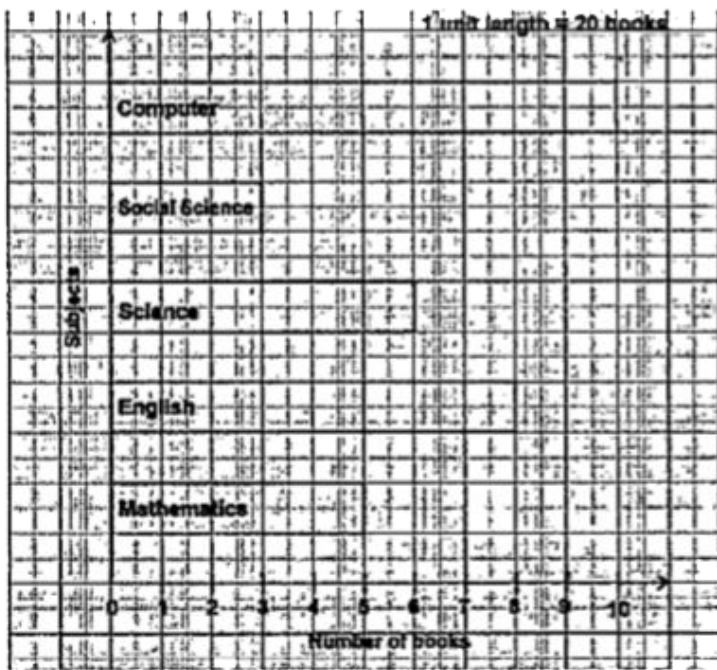
Number of books

Answer the following questions :

(i) What information does the bar graph gives ?

(ii) Which is the scale chosen for this graph ?

(iii) Which subject has maximum number of books and how-many ?

(iv) Which subject has minimum number of books and how many ?

5. The number of Mathematics books sold by a shopkeeper on the different days are shown below:

Days	Number of books sold
Sunday	65
Monday	40
Tuesday	30
Wednesday	50
Thursday	20
Friday	70

Draw a bar graph to represent the above information choosing the scale of your choice.

Multiple Choice Questions

1. If * represents 10 flowers then how many flowers does *****represent?

A. 30

B. 40

C. 50

D. 5

Answer: C

2. If = 7

children   then   what   does

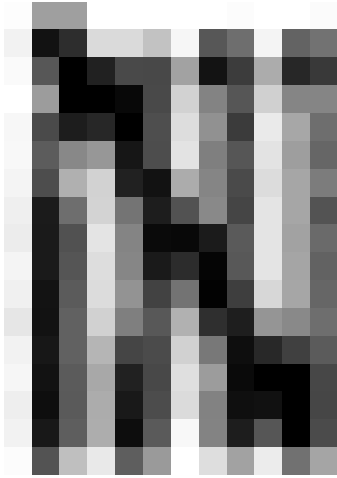represent ?

A. 1

B. 14

C. 21

D. 28

Answer: C

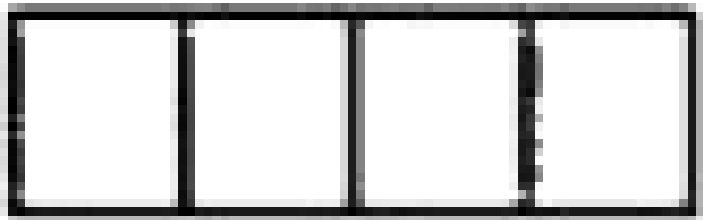▶ Watch Video Solution

3. What is value of

N I

A. 6

B. 7

C. 5

D. 8
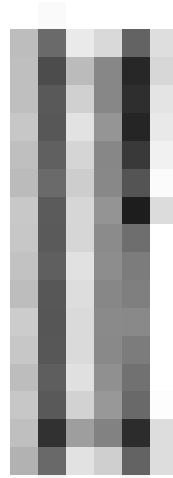
Answer: B

4. If

represents   400,   then   what   does
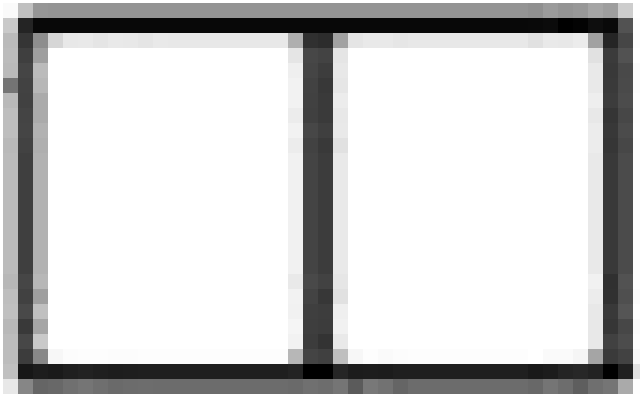
stand for ?

A. 200

B. 2000

C. 20

D. 2

Answer: A

5. .... represents data through picture of objects.

    A. Bar Graph

    B. Histogram

    C. Pictograph

    D. None, of these

Answer: C

6. Which tally marks represents 14 ?

A. |||| ||||

B. |||| |||| ||||

C. |||| |||| ||||

D. |||| |||| |||| ||

Answer: B

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7. If * represents 4 balls, No. of * to be drawn to represents 40 balls.

A. 5

B. 10

C. 12

D. 160

Answer: B

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8. ....is method ofrepresenting the data in uniform width size horizontal or vertical box with equal spacing.

A. Histogram

B. Bar Graph

C. Pictograph

D. Tally Marks

Answer: B

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9. If on a-scale 1 unit = 200 then how much quantity does 5 units will represent ?

A. 100

B. 1000

C. 300

D. 600

Answer: B

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