

Mathematics

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(Chapter - 9) (Data Handling) (Practice Test 2)

(Class VI)

Time: 1 Hour 15 Minutes

M. M: 25

General Instructions:

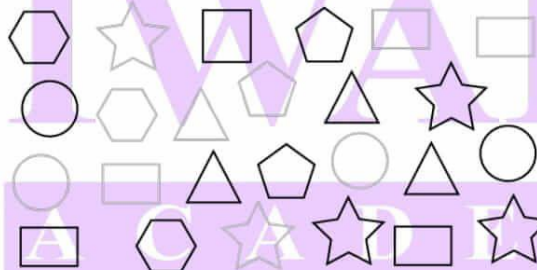
- This question paper contains four sections: A, B, C and D. Each part is compulsory.
- Section A has 5 MCQ of one mark each.
- Section B has 3 questions of two marks each.
- Section C has 3 questions of three marks each.
- Section D has 2 questions of five marks each, attempt any 1 out of 2.
- There is no negative marking.

Section - A

1. Bars of uniform width can be drawn _____ with equal spacing between them and then the length of each bar represents the given number.
(A) Horizontally (B) horizontally or vertically (C) vertically (D) none of these
2. A coin is tossed. Which of the following is the probability of getting a head or tail?
(A) 0 (B) 1 (C) $\frac{1}{2}$ (D) none of these
3. A is a collection of numbers gathered to give some information?
(A) frequency (B) data (C) tally marks (D) none of these
4. A _____ represents data through pictures of objects.
(A) histogram (B) pictograph (C) bar graph (D) none of these
5. What is the number of houses represented by the figure $\uparrow\uparrow\uparrow\uparrow$ if each symbol represents 15 houses?
(A) 60 (B) 20 (C) 15 (D) 40

Section - B

6. A _____ is a collection of numbers gathered to give some information.
7. A collection of numbers gathered to give some information is called?
8. For a math assignment a group of students had to draw their favorite shapes. The following pictures represent their choices. Each picture stands for 25 shapes.



Section - C

9. The lengths in centimetres (to the nearest centimetre) of 30 carrots are given as follows: 15, 22, 21, 20, 22, 15, 15, 20, 20, 15, 20, 18, 20, 22, 21, 20, 21, 18, 21, 18, 20, 18, 21, 18, 22, 20, 15, 21, 18, 20. Arrange the data given above in a table using tally marks and answer the following questions.

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- (A) What is the number of carrots which have length more than 20 cm?
(B) Which length of the carrots occur maximum number of times? Minimum number of times?
10. Thirty students were interviewed to find out what they want to be in future. Their responses are listed as below: doctor, engineer, doctor, pilot, officer, doctor, engineer, doctor, pilot, officer, pilot, engineer, officer, pilot, doctor, engineer, pilot, officer, doctor, officer, doctor, pilot, engineer, doctor, pilot, officer, doctor, pilot, doctor, engineer Arrange the data in a table using tally marks.
11. Following are the choices of games of 40 students of Class VI: football, cricket, football, kho-kho, hockey, cricket, hockey, kho-kho, tennis, tennis, cricket, football, football, hockey, kho-kho, football, cricket, tennis, football, hockey, kho-kho, football, cricket, cricket, football, hockey, kho-kho, tennis, football, hockey, cricket, football, hockey, cricket, football, kho-kho, football, cricket, hockey, football.
- (A) Arrange the choices of games in a table using tally marks.
(B) Which game is liked by most of the students?
Which game is liked by minimum number of students?

Section - D

12. Match the following:

Column A	Column B
1.	(a) 8
2.	(b) 6
3.	(c) 5
4.	(d) 3

13. State true or false:

- (a) A bar graph represents data in the form of pictures, object or parts of objects.
(b) Data is a collection of numerical figures giving required information.
(c) In a bar graph width of rectangle is always equal.
(d) The tally mark represents 5.

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Answers

Section - A

1. Horizontally or vertically
2. $\frac{1}{2}$
3. Data
4. Pictograph
5. 60

Section - B

6. Data

Explanation: collection of data = information facts and statistics collected together for reference or analysis is called data.

7. Data is collection of numbers gathered to give some information.

8. Total pictures = 25

Each picture stands for 25 shapes. So, Total shapes students drew altogether = $25 \times 25 = 625$ shapes.

Section-C

9. Given data arranged in a table using tally marks is shown below:

Length in cm	Tally Marks	No. of carrots
15		5
18		6
20		9
21		6
22		4

(A) The number of carrots which have length more than 20 cm is given by = $6+4 = 10$

(B) Length of the carrots occurs maximum number of times is 20 cm and length of the carrots occurs minimum number of times is 22 cm.

10. Data arranged in a table using tally marks is shown below:

Responses	Tally Marks	No. of responses
Doctor		10
Engineer		6
Pilot		8
Officer		6
Total		30

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11. (A) Data of choices of games arranged in a table using tally marks is shown below:

Games	Tally Marks	No. of students
Football		13
Cricket		9
Kho- Kho		6
Hockey		8
Tennis		4
Total		40

(B) As can be seen from the above data, Football is most liked by the students.

(C) As can be seen from the above data, Tennis is liked by minimum no. of students

Section - D

12. 1. → (b)
2. → (a)
3. → (d)
4. → (c)

13. (a) False; A pictograph represents data in the form of pictures, object or parts of objects.
(b) True
(c) True
(d) True



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