



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

Sub: Arithmetic
Duration: 40 Min

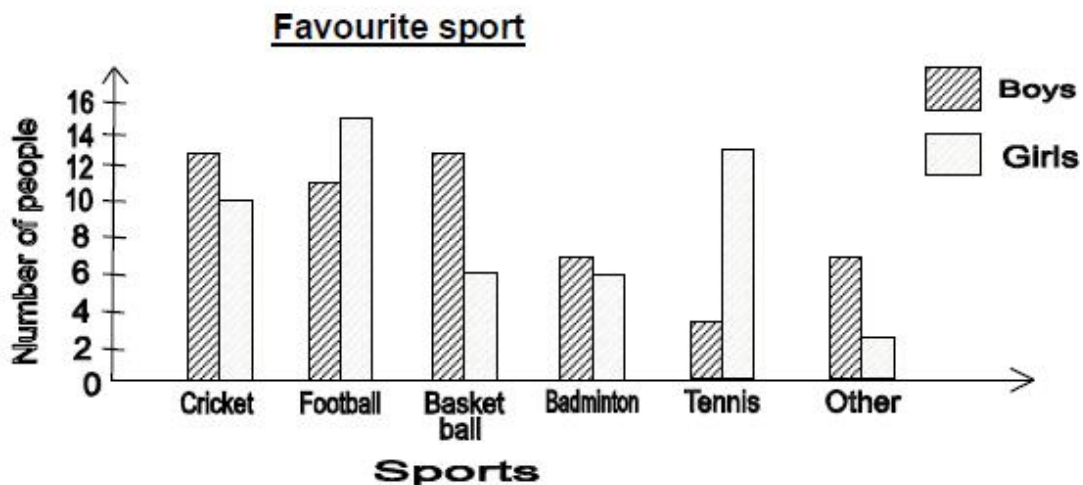
Class: 7
Worksheet Solution 07

Date: 28.11.20
Full Marks: 15

Graphical Representation of Data

Choose the correct options:

- The two forms are generally used for presenting data. Which is appropriate answer.
(a) tables (b) graphs **(c) both (a) and (b)** (d) None of these
- The pictorial representation of the numerical data by a number of bars of uniform width.
(a) bar graph (b) line graph (c) Pie chart (d) None of these
- A _____ bar graph is a graphical display of information using two bars besides each other at a various heights.
(a) Double (b) Single (c) Triple (d) None of these
- In a _____ graph, points are plotted on a graph paper with the help of two variables ie one along 'x' axis and the other along y-axis.
(a) Pie chart **(b) line graph** (c) bar graph (d) none of these
- In histogram the class intervals are taken along
(a) y-axis **(b) x-axis** (c) Both x and y axis (d) Between x-and y-axis
- Which one of the following is not the graphical representation of statistical data.
(a) Bar graph (b) Histogram (c) Frequency polygon **(d) Cumulative frequency distribution**
- In a frequency distribution, ogives are graphical representation of
(a) Frequency (b) Relative frequency **(c) Cumulative frequency** (d) Raw data
- In a histogram the area of each rectangle is proportional to.
(a) The class mark of the corresponding class interval (b) The class size of the corresponding class interval **(c) Frequency of the corresponding class interval** (d) Cumulative frequency of the corresponding class interval
- A histogram is a pictorial representation of the grouped data in which class intervals and frequency are respectively taken along.
(a) vertical axis and horizontal axis (b) vertical axis only (c) horizontal axis only **(d) horizontal and vertical axis**
- In a histogram, each class rectangle is constructed with base as.
(a) frequency **(b) class intervals** (c) range (d) size of class
- Favourite sport Look at the above graph Manas created a survey to find out the favourite sports of the boys and girls in his class at school. He draw the given graph to show the results



- How many people responded to the survey
(a) 200 (b) 300 **(c) 100** (d) 50
- In the same graph (Q11) which game is liked the most by boys and girls.
(a) Tennis (b) Cricket **(c) football** (d) Badminton

13) What is the difference between the number of boys and number of girls who like Cricket in Q11 graph

(a) **3** (b) 4 (c) 5 (d) 6

14) What is the ratio of girls liking tennis to the number of boys liking tennis?

(a) 3:1 (b) **1:3** (c) 2:3 (d) 3:2

15) In which game is the difference between the number of boys and girls liking that game is the least?

(a) Tennis (b) Cricket (c) **Badminton** (d) Basketball