



पुर्णा International School

Shree Swaminarayan Gurukul, Zundal

DATA HANDLING

GRADE-VII

SUBJECT-MATHS

WORKSHEET -3

ANSWER THE FOLLOWING QUESTION

1) Define the terms

- i) Raw data
- ii) Array
- iii) Frequency of an observation
- iv) Tabulation of data
- v) Data
- vi) Statistics

2) Solve the problems

1) Ashish studies for 4hrs,5hrs and 3hrs respectively on three consecutive days .How many hours does he study daily on an average.

2) A Batsman scored the following number of runs in six innings:

36, 35,50,46,60,55

Calculate the mean runs scored by him in an innings.

3) Given below is the data showing the number of children in 20 families of a locality:

3,1,3,2,2,2,0,3,4,2,1,3,2,4,1,2,2,3,1,3.

Arrange the data in ascending order then prepare a frequency table.

4) The height of 7 players in a group are

175 cm, 158 cm,180 cm,164cm,182 cm 160 cm and 171 cm .

Find their mean height.

- 5) The following table shows the number of misprints in various pages of a book containing 300 pages

| | | | | | | |
|----------------------------|-----|----|----|---|---|---|
| No of misprints (per page) | 0 | 1 | 2 | 3 | 4 | 5 |
| No of pages | 154 | 95 | 36 | 7 | 6 | 2 |

Find the mean misprints per page

- 6) The following table shows the weight of 12 workers in a factory

| | | | | | |
|---------------|----|----|----|----|----|
| Weight(in kg) | 60 | 63 | 66 | 69 | 72 |
| No of workers | 4 | 3 | 2 | 2 | 1 |

- 7) Find the median for the following frequency distribution

| | | | | | | |
|----|---|---|----|----|----|----|
| xi | 3 | 6 | 10 | 12 | 7 | 15 |
| fi | 3 | 4 | 2 | 8 | 13 | 10 |

- 8) The following table shows the export earnings of India (in thousand crore rupees) during five consecutive years:

| | | | | | |
|----------------------------------|---------|---------|---------|---------|---------|
| Year | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 |
| Export(in thousand crore rupees) | 130 | 142 | 160 | 204 | 224 |

Draw a bar graph representing the above data

- 9) A coin is tossed 100 times and head is obtained 59 times . On tossing a coin at random .

Find the probability of getting

- 1) A head 2) A tail

- 10) A dice is thrown 200 times and the outcomes are noted as shown below

| | | | | | | |
|-----------|----|----|----|----|----|----|
| Outcome | 1 | 2 | 3 | 4 | 5 | 6 |
| Frequency | 21 | 30 | 42 | 38 | 29 | 40 |

When a dice is thrown at random .Find the probability of getting a

- 1) 5 2) 3 3) 4 4) 6