



Nalanda College – Colombo 10
3rd Term Test
Mathematics – 2020
Grade - 8

Time – 01½ hours

27 – Data Representation and Interpretation

Part - 1

(1) Find the mode and the mean of each collection of data.

(i) 8, 4, 3, 8, 5, 6, 7

(ii) 3.5, 2.5, 4.3, 2.5, 5.7

(2) The birth weight of 25 babies are given below in kilogrammes.

2.5	1.9	3.3	3.0	2.7
1.7	3.8	2.9	2.4	3.7
1.8	2.8	3.3	4.1	2.9
2.4	3.1	2.8	3.6	4.0
3.2	2.0	1.9	2.0	3.1

(i) Represent this data in a stem and leaf diagram.

(ii) What is the minimum birth weight ?

(iii) What is the maximum birth weight ?

Part – II

(1) (i) The time of the calls received on a certain day of a person are given below.

3, 2, 5, 7, 8, 9, 1, 2, 1, 3, 4, 4, 3

(a) Write the range of the given data

(b) What is the mode ?

(c) What is the median ?

- (2) The marks that Theruni , Senumi got in the pervious term test are as follows.

Subject	Theruni	Senumi
Sinhala	45	58
English	40	55
Mathematics	85	74
Science	90	82
History	71	70

- (i) Find the made of the marks.
 (ii) Find the mean of the marks.
 (iii) Find separately the median mark of each student.
- (3) The mean of the masses of a children is 35 kg . When another child joined, the mean mass increased 38 kg.
 (i) Find the total mass of the 5 children.
 (ii) What is the mass of the child who joined later ?
- (4) The number of fish buns made by a bakery during the 25 days.

Stem	Leaf
15	0 2 5
16	1 4 6 8 9
17	0 0 6 7 8 9
18	0 0 1 1
19	1 2 3
20	0 0 2

- (i) What is the minimum value of this data
 (ii) What is the maximum value ?
 (iii) Find the range.



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