



The New English Private School (NEPS)

Tel. **NEPS 1:** 011 320 57 20 **NEPS: 2** 0113 83 72 10 **NEPS 3:** 011 384 70 50
NEPS 4: 011 384 70 07 **NEPS 5:** 011 369 25 35
www. NEPSchool.edu.et P.O.box 18609 Addis Ababa Ethiopia

Name: _____ 3rd Quarter 2019/20 Date: March _____, 2020 Subject: Math
Revision worksheet (15%) Grade: 7 __ Teacher's name: Mr. Tesfaye

I. Write short answer for the following questions.

1. Define the following terms.

- a. Line graph _____
- b. pie charts _____
- c. mean _____
- d. mode _____
- e. median _____
- f. range _____

II. Compute the following questions and show the necessary steps.

2. Find the mean, mode, median and range of the following numbers.

- i. 10, -8, -15, 20, 35, 6, 12
- ii. -3, -3, -5, -5, -5, 4, 4, 4, 4, 8, 6, 6.

3. If the mean of a, b, c, d is k, then find the mean of

- i. $a+2, b+2, c+2, d+2$
- ii. $a-6, b-6, c-6, d-6$
- iii. $-4a, -4b, -4c, -4d$
- iV. $\frac{5a}{2}, \frac{5b}{2}, \frac{5c}{2}, \frac{5d}{2}$

4. What must be the unknown value of x of the distribution function given below if the mean is 3?

V	-1	0	3	4	x
f	3	3	1	5	4

5. For the following population function fin the mean, mode, median and range.

v	4	11	18	25	32	30	34
f	22	25	10	9	4	2	3

6. If $5a^3 + 5b^3 + 5c^3 + 5d^3 = 120$, then find

- i. $a^2 + b^2 + c^3 + d^3$
- ii. the mean of a^3, b^3, c^3, d^3

7. Consider the following table for the following questions.

v	5	6	7	8	9	10
f	4	2	14	16	10	4

For the above table

- calculate the mean
- what percentage is below the modal value
- what percentage is above the middle value
- what is the range

8. If ABCD a trapezium and $AD=9\text{CM}$, $BC=15\text{CM}$ and the altitude of the trapezium is 4cm , then find the area.

Parent's/Guardian's signature _____

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