***NIGAT KOKEB P.P, PRIMERY AND MIDDLE SCHOOL***

**10th**

**MATHEMATICS WORKSHEET FOR GRADE 8TH YEAR2017 E.C.(UNIT 1-GRADE *UNIT 1-3)***

**INSTRUCTION- I. CHOOSES THE CORRECT ANSWERS FROM THE GIVEN ALTERNATIVES**

1. Which one of the following is **FALSE**?
2. Q = {0}
3. Z = Z+{0} Z-
4. Z+  Q
5. Z = {0}
6. The simplified form of **– 10** is
7. 39
8. -39
9. -45
10. -61
11. Which of the following lists of numbers is written in an **increasing order**?
12. A**. ,,**
13. **, ,**
14. **, , ,**
15. **.,,,**
16. Which expression has a value of -2?
17. Which one of the following is **NOT** True?

20. Which one of the following is **CORRECT** about rational numbers?
21. The sum of two positive numbers is less than the sum of two negative numbers
22. B. The quotient of two negative numbers is a negative numbers
23. The sum of two opposite numbers is zero.
24. The product of two opposite numbers is one.
25. What is the value of ?
27. The simplified form of **÷** is .


31. The solution set of the absolute equation **6 -5 = -4** is
32. { }
33. {-8, 8}
34. {4, 8}
35. {4, 6}
36. How long will take **Birr 300** to **double** itself if it is invested at the rate of **5%** simple interest per annum?
37. 10 years B. 15 Years C. 20 years D. 40 years
38. If birr 2500 is invested at 12% simple interest per annum, then what is the interest earned after two years?

A. Birr 432 B. Birr 600 C. Birr 500 D. Birr 450

1. For what value of does the equation have two solutions?

A. B. C.

1. If **Birr** is divided among and in the ratio respectively, what is the amount of share in Birr?
3. **(0.07)2**is equal to \_\_\_\_\_
4. 0.049
5. 0.49
6. 0.0049
7. 4.9
8. Which one of the following numbers is **both** perfect square and perfect cube?
9. 8
10. 64
11. 36
12. 16
13. If  **= 3.7269**, then find  **= \_\_\_\_\_\_\_.**
14. 37.269
15. 3726.9
16. 372.69
17. 0.37269
18. Which one of the following is **TRUE**?
19. Which one of the following is **perfect cube**?
21. If x = -0.3, then what is the value of x3?
23. If  **= 1.95**, then what is the value of
24. 0.195
25. 195
26. 19.5
27. 1950
28. The simplified form of  **\_\_\_\_\_?**
29. The expressionis equal to;
30. Which square root lies between the number 12 and 13?

33. Which one of the following number is **neither** a perfect square **nor** a perfect cube?

36. 121
37. The **volume** of cubic box with side length equal to  **m** is
38. 4m3
39. m3
40. m3
41. 8m3
42. The **area** of a square is **196 cm2**. What is the length of each side?
43. 11cm
44. 14 cm
45. 13cm
46. 15cm
47. A rational number is **m** called a perfect cube, if and only if, for some **nQ, m** is equal to:
48. What is the solution set of the equation ?
49. {12 }
50. { 8 }
51. { 6 }
52. { 5 }
53. If is a whole number and, then what is the lowest value ofwhich satisfy this inequality?
54. 7
55. 9
56. 8
57. 6
58. What is the solution set of?
59. {...,1,2,3}
60. {1,2,3}
61. {1, 2, 3,...}
62. {0,1,2,3}
63. What is the solution set of the equation?
64. {-2}
65. {}
66. {2}
67. {}
68. On Cartesian coordinate system, in which quadrant does the point lie?
69. Quadrant III
70. Quadrant IV
71. Quadrant I
72. Quadrant II
73. The point **(3, 4)** is lie on the line, and then what is the value of **b**?
74. 6
75. 8
76. 7
77. 9
78. What is the equation of a line that passes through the point **P (4, -3)** and has a slope **-2**?

81. Four years ago the sum of the ages of a man and his son was **40** years. Now the man is **22** years older than his son. What is the present age of his son?
82. 9
83. 14
84. 13
85. 15
86. **A** can do a job in **9 days**, and **B** can do the same job in **18 days**. How long will it take them if they work together?
87. 7 days
88. 8 days
89. 6 days
90. 4 days
91. Temperature ***F= C+32***. At what temperature have the Fahrenheit and Celsius readings the **same value**?
92. -40
93. 40
94. 20
95. -20
96. Which one of the following line is a **horizontal line**?
97. X=4
98. x+3y=10
99. y=2
100. x-y=0
101. What is the solution set of the inequality in the set of rational numbers?
102. If line in the coordinate plane passes through the **first** and the **third** quadrants then the **sign** of its **slope** is?
103. Positive
104. Zero
105. Negative
106. undefined

*Prepared by: Mathematics Department*