**SUMMATIVE TEST NO. 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Objectives** | **CODE** | **Percentage** | **No. of Items** | **Item Placement** |
| give the translation of real-life verbal expressions and equations into letters or symbols and vice versa.   | **(M6AL-IIIe-16)** | **25%** | **5** | **1-5** |
| define a variable in an algebraic expression and equation.  | **(M6AL-IIIe-17)** | **25%** | **5** | **6-10** |
| represent quantities in real-life situations using Algebraic expressions and equations. | (**M6AL-IIIe-18)** | **25%** | **5** | **11-15** |
| solve routine and non-routine problems involving different types of numerical expressions and equations.  | (**M6AL-IIIf-19)** | **25%** | **5** | **16-20** |
| **Total** |  | **100** | **20** | **1 – 20** |

**GRADE VI – MATH**

**Guro Ako**

**SUMMATIVE TEST NO.2**

**GRADE VI – MATH**

Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Grade and Section:\_\_\_\_\_\_\_\_\_

I. A. Match the phrases in column A with their equivalent Algebraic expressions in column B. Write the letter of your answers on a sheet of paper.

 A B

\_\_\_\_\_1. thrice the sum of a number and eight a. 3n + 6 = 15

\_\_\_\_\_2. A number diminished by eleven b. 20 + 2x

\_\_\_\_\_3. increase the product of a number and 4 by 5 c. 3(k+8)

 is equal to twenty-five

\_\_\_\_\_4. Three times a number increased by six is fifteen d. 4m + 5 = 25

\_\_\_\_\_5. twenty plus twice a number e. y – 11

B. Write the following statement as equations.

\_\_\_\_\_\_\_\_\_\_6. Four times a number minus twenty-nine is eleven.

\_\_\_\_\_\_\_\_\_\_7. The product of four less than thrice a number and two will result to forty- six.

\_\_\_\_\_\_\_\_\_\_8. Three-fifths of a number plus eight is fifty.

Translate the following Algebraic expressions to word phrases. Write your answers on a sheet of paper.

\_\_\_\_\_\_\_\_\_\_9.) 51 – (x+5)

\_\_\_\_\_\_\_\_\_\_10.) 3(y-8)

II. A. Write an expression to represent each of the following.

\_\_\_\_\_\_\_\_\_\_11. Four times ten divided by five

\_\_\_\_\_\_\_\_\_\_12. Twelve diminished by two

\_\_\_\_\_\_\_\_\_\_13. Six times three added to seven

\_\_\_\_\_\_\_\_\_\_14. Eight added to the product of five and three

\_\_\_\_\_\_\_\_\_\_15. Twenty-five added to two

B. Solve each problem.

\_\_\_\_\_16. A family of three adults and three children visited the circus. They went to the ticket booth to purchase tickets for all the rides and games. The total cost of the family’s ticket was ₱1,560.00. If an adult ticket costed ₱280.00, how much was the ticket cost for each child?

 A. ₱140.00 C. ₱245.00

 B. ₱240 D. ₱250.00

\_\_\_\_\_17. In Baguio City, a horse ride costs ₱120.00 per person for the first 30 minutes and ₱50.00 for every additional 10 minutes. If you spent ₱270.00 for a horse ride, for how long did you ride?

 A. 1 hour C. 2 hours

 B. 1 ½ hour D. 3 hours

\_\_\_\_\_18. There are 56 pupils in a class. Thirty-six of them joined the fieldtrip. Write an equation to find the number of pupils who did not join the fieldtrip.

 A. 56 - 36 = 20 C. 56 - 30 = 26

 B. 56 – 6 = 50 D. 56 x 2 =112

\_\_\_\_\_19. The average of 6 numbers is 15. The average decreases by 1 when the 7th number is added. What is the value of the 7th number?

 A. 7 C. 9

 B. 8 D. 10

\_\_\_\_\_20. During the council meeting, the number of women is 2 times the number

of men. How many women and men attended the meeting if there were 30 people present?

 A. 10 women and 20 men C. 20 women and 10 men

 B. 15 women and 15 men D. 30 women and 10 men

***SUMMATIVE TEST 2 ANSWER KEY:***

II.

11. 6 + 7

12. y + 8

13. n + 5

14. n -9

15. 10n or 10•n

16. B

17. A

18. A

19. B

20. C

I.

1. c

2. e

3. d

4. a

5. b

6. 4x –29 = 11

7. 2(3d –4) = 46

8. 3/5 n+ 8 = 50

9. Fifty-one decreased by the sum of a number and five

10. Thrice the sum of a number and eight