



FOURTH PERIODICAL EXAM

School Year 2021-2022

MATHEMATICS VI

Name: _____ Grade and Section: _____

Teacher: Elizabeth C. Regala

Note: Read the directions carefully.
NOT following the direction is wrong.
AVOID using space.

I A. Type the next three terms in the given sequence.

1-3. 5, 10, 15, 20, _____, _____, _____

4-6. 4, 8, 12, _____, _____, _____

7-9. 1, 2, 4, 8, 16, _____, _____, _____

10-12. 7, 12, _____, _____, _____

13-15. 20, 40, 60, 80, _____, _____, _____

B. Determine the missing terms in the sequence. Type your final answer on the space provided.

16-17. 10, 12, _____, 16, _____, 20

18-20. 1, 3, 5, _____, 9, _____, 13, _____

C. Find the missing term using the formula $A_n = A_1 + (n-1)d$.

21-22. 7, 10, 13, 16, 19 30th

23-24. 2, 10, 18, 4th term

25-26. 15, 19, 23, 7th term

27-28. 3, 7, 11, 15, 19, 23, 50th term

29-30. 7, 14, 21, 28, 12th term

II. Translate the following verbal expressions into algebraic expression. Select your answer by tapping the box.

31. p plus 15	$p+15$	$q+15$
32. thrice the number k	$3k$	$3xk$
33. eight less than a number	$n-8$	$8-n$
34. 15 decreased by b	$15-b$	$15b$
35. x subtracted from 32	$32-x$	$x-32$
36. 30 divided by u	$30 \div u$	$30(u)$
37. 18 decreased g	$18-g$	$18 \div g$
38. six less than a number	$n-6$	$6-n$
39. ten more than a number	$n+10$	$10+n$
40. h times 15	$h15$	$h-15$

III A. Solve for the value of the following numbers. Type your answer on the space provided.

41. $6^2 =$ _____
42. $4^4 =$ _____
43. $10^3 =$ _____
44. $3^5 =$ _____
45. $7^0 =$ _____

B. Solve for the value of the following numbers. Select your answer for tapping the box.

46. $5 \times 5 \times 5 \times 5 =$ _____
47. $8 \times 8 =$ _____
48. $2 \times 2 \times 2 \times 2 \times 2 =$ _____
49. $10 \times 10 \times 10 =$ _____
50. $7 \times 7 \times 7 =$ _____

IV. Read and identify each item carefully. Tap TRUE if the statement is correct and FALSE if it is not.

51. The exponent is the number to be multiplied.

TRUE

FALSE

52. The exponent is the product of all equal factors.

TRUE

FALSE

53. All numbers except 0 raised to the power of 0 is always equal to 1.

TRUE

FALSE

54. The number in the sequence is called series.

TRUE

FALSE

55. The formula in finding the missing term is $A_n = A_1 + (n-2)d$.

TRUE

FALSE

56. Sequence is a list of numbers that has some pattern or rule.

TRUE

FALSE

57. The exponent indicates how many times a number is used as a factor.

TRUE

FALSE

58. We use a variable to represent an unknown number in a mathematical expression.

TRUE

FALSE

59. The "total of" is used to express division.

TRUE

FALSE

60. The "decreased by" is used to indicate addition.

TRUE

FALSE

"Your future depends on what you do today"

Good Luck! 😊