ඒකක පූනරික්ෂණය-01 அலகு மீட்டல் - 01 UNIT Revision-

සබරගමුව පළාත් අධාාපන දෙපාර්තමේන්තුව சபரகமுவ மாகாண கல்வித் திணைக்களம் ⁰¹ Sabaragamuwa Provincial Department of Education

TEST-1 தலைப்பு 1, 2, 3 Lessons 1,2,3

ගණිතය I கணிதம் I Mathematics I

සතුටින් ගණිතය மகிழ்ச்சி மிகு கணிதம் Math Happily Grade

ශූේණිය

தரம்

පැය එකයි ஒரு மணித்தியாலம் One hour

Answer all the questions

1. How many symmetric axes are there in a rectangle?

i).

2 ii).

iii). 3 iv). 4

2. A = {letters of the word "ANURADHAPURA"} How many elements are there in the set A?

> 12 i).

9 ii).

iii). 7

iv). 5

What is the correct answer for the given expression?

 $7 + 3 \times 5 - 4$

i). 46 ii). 10

iii). 81 iv). 18

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Which statement is not suitable for the blank?

"If we fold a bilaterally symmetric plane figure through a symmetric axis,"

- i). Two parts received are equal in shape
- ii). Two parts received are equal in size
- iii). Two parts received are coincide
- iv). Two parts received are not equal in area

5. Who is the mathematician who introduced Venn diagram?

- i). Newton
- ii). **Pythagoras**
- iii). John Venn
- iv). **Archimedes**

6. Which mathematical operation you should do first, in the given expression?

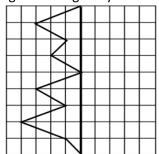
$$20 + 18 \div (5 - 3) + 2 \times 6$$

i). 20 + 18 ii). 18 ÷ 2

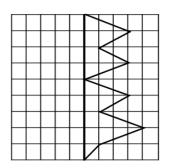
iii). 5 - 3 iv). 2×6

7. Select the English capital letter which has only one symmetric axis?							
ij). L			ii).	N	١	
i	ii). H			iv).	N	N	
8. A = {odd numbers between 1 and 11}, Select the correct representation of set A.							
i).	A = {1,	3, 5, 7, 9, 11}					
ii).							
iii).		3, 5, 7, 9}					
iv).	A = {3,	5, 7, 9, 11}					
9. A taxi driver charges Rs.200/= for first kilometer and Rs.100/= for additional one kilometer. Which expression shows the correct calculation of the taxifare of a person who travels 15Km.							
i).	200 + 1	L00 × 15					
ii).	(200 +	100) × 15					
iii).		100 × (15 – 1)					
iv).	200 + (100 × 15)					
10. P = {1,3,6,10,15,21}, select the incorrect description of set P.							
i).	P = {tri	angular numbers	between 0 and	25}			
ii).		angular numbers	-				
iii).	-	angular numbers	-				
iv).	P = {tri	angular numbers	s from 1 to 21}	n 🔵			
11. An electricity board charges Rs.2/= for first 20 units and Rs.5/= for extra units use more than 20 units. Select the correct expression which shows monthly bill of a certain house which use 35 units.							
i).	40 + 1	.5			ii).	2	20 × 2 + 15
iii).	2 × 20) + 5 × 15			iv).	((20 + 15) × (2 + 5)
12. What is the correct statement regarding bilateral symmetry?							
i).	There s	nould be at least	one symmetric	axis in a	bilate	era	ally symmetric figure.
ii).	If we can divide a figure in to two parts which are equal in area that figure is a bilaterally symmetric figure.						
iii).	_	re countable sym	nmetric axes in a	circle.			
iv).	If we se symmet		lly symmetric fig	gure in t	o two	p pa	arts, those two parts are bilaterally
13. What is the correct answer of the given expression? $5 \times 4 \div 2 \times 4 \div 2$							
i).	5			ii).	10		
iii).	40			iv).	20		

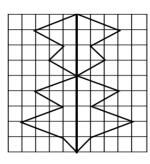
14. Select the correct figure which shows the other part of the given figure, to be a bilaterally symmetric figure through a symmetric axis.



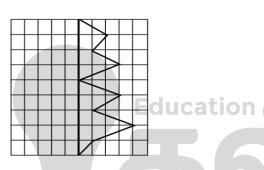
i).



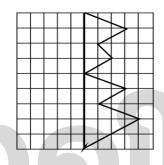
ii).



iii).

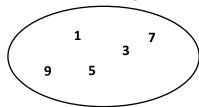


iv).



15. Select the correct statement which describe the set of elements in the Venn diagram

- i). {numbers in the date 1975 03 01}
- ii). {odd numbers between 1 and 10}
- iii). {digits in the number 11 753 935}
- **iv).** {prime numbers less than 10}



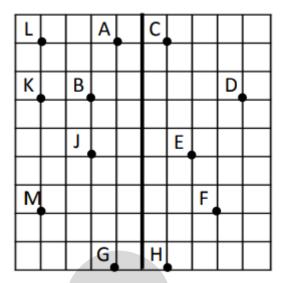
16. Select the correct statement regarding a square and a rhombus

- i). There are equal number of symmetric axes in a square and rhombus
- ii). There are 4 symmetric axes in square but no symmetric axes in rhombus
- iii). There are 2 and 4 symmetric axes in rhombus and square respectively.
- iv). There are no symmetric axes in a rhombus while 2 symmetric axes are available in a square.

17. Which expression gives the answer 10.

- i). $4 + 1 \times 2$
- ii). $6-1\times2$
- iii). $2 \times 2 + 2 \times 3$
- iv). $5 \times 2 2(7 2)$

- **18.** Select the correct statement regarding the numbers given below.
 - 1, 4, 9, 16,
 - i). This shows the set of square numbers.
 - ii). This shows the set of square numbers from 1 till 20.
 - iii). This shows the set of square numbers between 1 and 20.
 - iv). This shows the set of square numbers written in ascending order.
- 19. Select the correct order of joining letters to have a bilaterally symmetric figure.



- i). ACDEFHGMJKA
- ii). ACDFHGMKA
- iii). ACDEHGJKA
- iv). ACDEFHGMKA

20. A = {2, 5, A, B, 3, C}

 $B = \{2.5 A B 3 C\}$

What is the correct statement given below regarding A and B.

- i). A is a set while B is not a set.
- ii). Both A and B are sets.
- iii). A could be a set if there are only letters or numbers available.

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- iv). Both A and B are not sets.
- 21. What is the correct simplification order?
 - i). division & multiplication, brackets, addition & subtraction
 - ii). division & multiplication, addition & subtraction, brackets
 - iii). brackets, division & multiplication, addition & subtraction
 - iv). brackets, addition & subtraction division & multiplication,
- 22. Select the statement which can be consider as a set,
 - i). A = {famous singers in Sri Lanka}
 - ii). B = {beautiful flowers in the garden}
 - iii). A = {type of birds in Sri Lanka}
 - iv). A = {fancy people in the world}
- 23. What is the property which is not available in a bilaterally symmetric figure?
 - i). Foldable through a symmetric axis
 - ii). Two parts are equal in coin size
 - iii). Two parts are equal in shape
 - iv). Two parts are equal in area

24. Simplify and select the correct answer

$$15 - 7 + 3 - 2 + 1$$

- i). 2
- ii). 4
- iii). 10
- **iv).** 9
- **25.** Select the incorrect statement.
 - i). Bilaterally symmetric trapeziums are available
 - ii). Any parallelogram is bilaterally symmetric
 - iii). Some triangles are bilaterally symmetric
 - iv). Some triangles are not bilaterally symmetric



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