ඒකක පුනරීක්ෂණය-01
அலகு மீட்டல் - 01
UNIT Revision- 01

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

TEST- 1
පාඩම 1,2,3
தலைப்பு 1, 2, 3
Lessons 1,2,3

ගණිතය I
கணிதம் I
Mathematics I

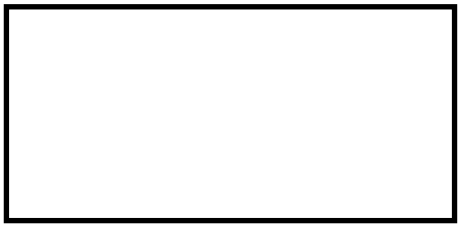
සතුටින් ගණිතය
மகிழ்ச்சி மிகு கணிதம்
Math Happily

ශ්‍රේණිය தரம் Grade **7**

පැය එකයි
ஒரு மணித்தியாலம்
One hour

Answer all the questions

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



i). 1 **ii).** 2

iii). 3 **iv).** 4

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

i). 12 **ii).** 9

iii). 7 **iv).** 5

3. What is the correct answer for the given expression?
7 + 3 x 5 – 4

i). 46 **ii).** 10

iii). 81 **iv).** 18

4. 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 ÷ (5 - 3) + 2 × 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?

i). **L** **ii).** **N**

iii). **H** **iv).** **M**

8. A = {odd numbers between 1 and 11}, Select the correct representation of set A.

i). A = {1, 3, 5, 7, 9, 11}
ii). A = {3, 5, 7, 9}
iii). A = {1, 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 + 100 × 15
ii). (200 + 100) × 15
iii). 200 + 100 × (15 – 1)
iv). 200 + (100 × 15)

10. P = {1,3,6,10,15,21}, select the incorrect description of set P.

i). P = {triangular numbers between 0 and 25}
ii). P = {triangular numbers}
iii). P = {triangular numbers from 1 till 25}
iv). P = {triangular numbers from 1 to 21}

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 + 15 **ii).** 20 × 2 + 15

iii). 2 × 20 + 5 × 15 **iv).** (20 + 15) × (2 + 5)

12. What is the correct statement regarding bilateral symmetry?

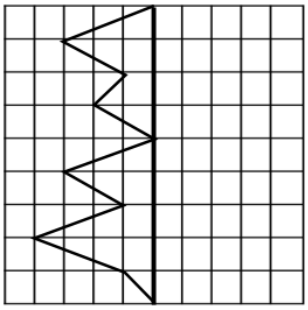
i). There should be at least one symmetric axis in a bilaterally symmetric figure.
ii). If we can divide a figure in to two parts which are equal in area that figure is a bilaterally symmetric figure.
iii). There are countable symmetric axes in a circle.
iv). If we separate a bilaterally symmetric figure in to two parts, those two parts are bilaterally symmetric.

13. What is the correct answer of the given expression? 5 × 4 ÷ 2 × 4 ÷ 2

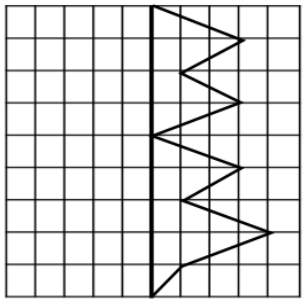
i). 5 **ii).** 10

iii). 40 **iv).** 20

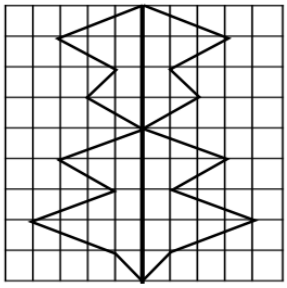
14. Select the correct figure which shows the other part of the given figure, to be a bilaterally symmetric figure through a symmetric axis.



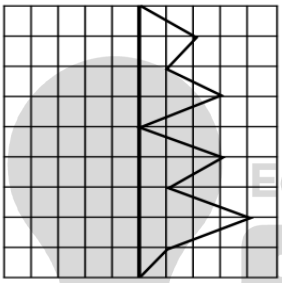
i).



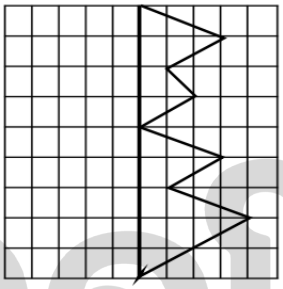
ii).



iii).

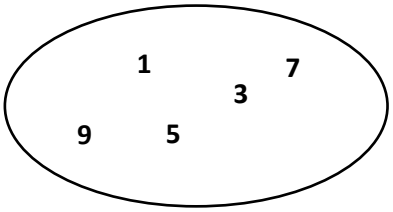


iv).



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.

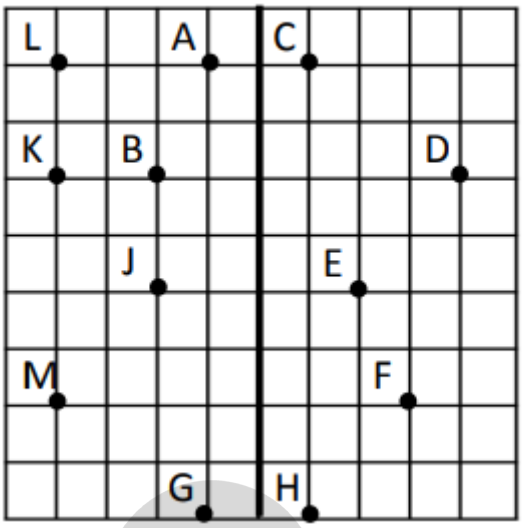
17. Which expression gives the answer 10.

i). $4 + 1 \times 2$
ii). $6 - 1 \times 2$
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). A C D E F H G M J K A

ii). A C D F H G M K A

iii). A C D E H G J K A

iv). A C D E F H G M K A

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.
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