ශ්‍රේණිය Grade	07	විෂයය Subject	Mathematics	පත්‍රය Paper	I.II	කාලය Time	02 hours

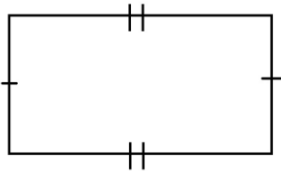නම :- .... පංතිය :- ....

- Answer all the question

Part I

01) Find the digital index of 35821

02) Find the number of symmetrical axes of the figure.

03) Simplify $6 + 4 \times 5$

04) Write all the factors of 12

05) Fill in the blanks using suitable symbol " < ", " > " or "="

     i. 2^3 .... 4^2

     ii. 8^2 .... 3^2

06) Sandaru bought 2 books eachRs. 45/- and he gave Rs. 100/- to the vendor. What is the balance he got.
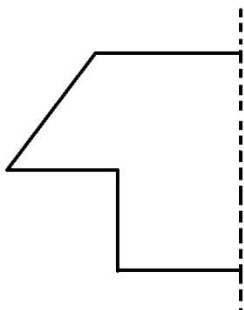
07) Fill in the blank. $(-8)+(+6)+$ ☐ $= (-4)$

08) Write 24 as a product of prime numbers.

09) Write 32 using index notation with base 2

10) Fine the value of $3xy^2$ when x = 2 andy=5.

11) Complete the following diagram to make it as a symmetrical figure..

12) Arrange the following in ascening order. (-5) , 0 , (-2) , (+4) , (+2)

13) Write 2 x 3 x 3 x y x y x y in index form.

14)
   I.   To which deeade does AD 2020 belong ?
   II. To which entury does AD 2020 belong ?

15) Find the HCF of 2 and 3

16) Write all the factors 8

17) Find the value of (+3) + (+2)

18) Is 2020 a leap year Give reason.

19) If 10……4 is divisible by 4 without a remainder. Write suitable digit or digits to the blank .

20) What is the even prime number ?

Part II

01.

    a) Write all the factors of following numbers.

        i. 24

        ii. 32

        iii. 13

    b) Write 3 multiples of 54.

    c) Write HCF of 24, 36 , 12

    d) 3 bell ring at intervals of 15 minutes, 20 minutes, 45 minutes. If they ring togedr at 6.00 am at what time will they ring together again.

02.

    a) Fill in the blank using suitable words.

        i. If A = {letters of the ward බරඔර}Number of elements in the set A is …………

        ii. A well defined group is known as a …………………

    b) K is set of the letters of the ward CALCULATER.

        i. Write down the set in terms of a common property of its elements.

        ii. Reperesent the set K by a benn diagram.

    c) Write the methods of writing a set

03.

    i. Write the number 64 using index notation,

        a) With base 2

        b) With base 4

        c) With base 8

    ii. Expand and Find the value.

        a) $3^2 \times 2^2$

        b) $5^3 \times 10^2$

    iii. If a = 5 and b = 3 find values of followings.

        a) $3a^2 b$

        b) $a^3 b^2$

04.
   a) Simplify the following.

      i. $10 \times 4 + 13$

     ii. $8 \times 2 - 5$

    iii. $7 + 5 \times 21 + 210$

    iv. $190 - 5 \times 2 \div 5$

     v. $(19 \times 20) + 21$

    vi. $7 - (18 \div 3)$

   b) Without dividing select the numbers which are divisible by a without a remaindar.
   1058 , 2719 , 1029 , 856 , 504 , 951

05. Recall the memory about the lesson 'Bilateral Symmetry'
   i. Name 2 bilateral symmetrial objects that can be seen in your environment.

   ii. What are the plane figures that you used to do the activity in the lesson bilateral symmetry.

   iii. Dercribe the method that you used to check weather the plane figure is a bilateral symmetrical figure or not

   iv. Describe what symmetrical axis is.

   v. Draw 3 bilateral symmetrical figures and draw their symmetrical axes on them.