



### Part I

- Answer all part I questions on this paper it self

01. 1) Find the digital root of 3 204

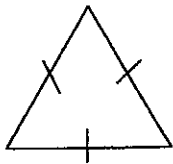
2) Is the number 3204 divisible by 6 without a reminder ?

02. Underline , which of the following groups are considered as a set,

- (i) Even numbers from 1 to 10
- (ii) Tall students in a Classroom
- (iii) The longest rivers in the world
- (iv) The provinces of Sri Lanka

03. Simplify  $18 - 15 \div 3$

04.



The given figure is an equilateral triangle. If its perimeter is 21cm.  
Find the side length of it.

05. The number of students of two schools are 654 and 928 Is the total number of students of the two schools, even number or an odd number ?

06. How many axes of symmetry can be drawn to a parallelogram ?

07. Write the following numbers as a product of prime factors ?

(i)  $21 =$

(ii)  $28 =$

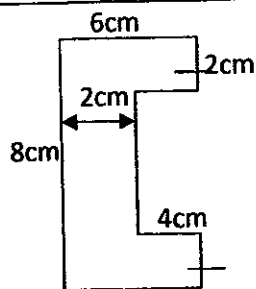
08. The price of a vehicle is 3995 000 rupees. Write this number in words

09. What is the number less than 15, which has all factors 1,2,3 and 4 ?

10.  $P = \{ \text{The Provinces of Sri Lanka} \}$

Write two elements of the set P ?

11.

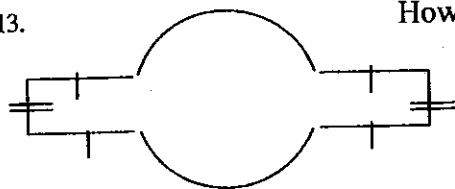


Find the perimeter

12. Simplify

$$20 + 5 ( 14 - 4 ) \times 10$$

13.



How many axes of symmetry can be draw to the given figure ?

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14. Simplify ,

(i)  $2507 \times 10 =$

(ii)  $25070 \div 100 =$

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15. Write a suitable digit for the blank. If the number  $15\Box$  is divisible by 3 a without a reminder.

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16. Write 72 as a product of prime factors.

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17. How do we check, whether a given number is divisible by 4 ?

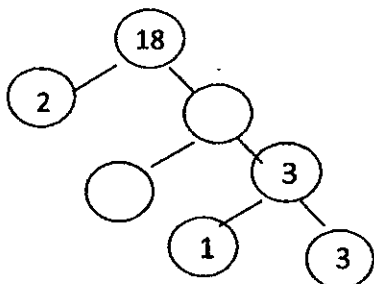
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18. Find the H.C.F of 10, 15 and 20

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19.

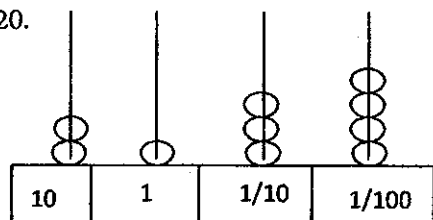
Fill in the blanks



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20.

Write the number represented on the abacus



## Part II

- Answer the first question and another 4 questions only. Use separate papers to write the answer.

- 1) A) i) What is the digital root of 65364 ?  
ii) Is the number divisible by both 3 and 4 ?  
iii) Write the reason for the above answer  
iv) 59,70,81,85,95,102,810  
select the numbers from the above, that are divisible by 5  
v) Find the H.C.F of 36,45 and 60
- B) The distance from the Earth to the Mercury is 56 838 793 534 km.  
i) Separate the above number into periods  
ii) Write it in words  
iii) Write the number 5101020209 in words  
iv) Write in digits  
" Ten billion five hundred sixty five thousand three"

( 16 Marks)

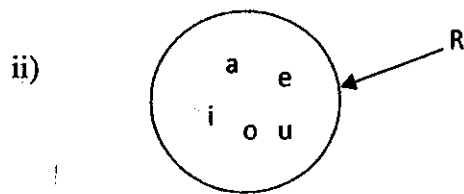
- 2) A) Represent the following sets as a Venn diagram  
i) (a) = { Letters in the word "science"}  
(b) = { The digits in the number "205021"}  
ii) Represent the following sets as a list of elements  
a) = { Prime numbers less than 20}  
b) = { The districts of the Western province}

- B) Mark correct (✓) or Wrong (×) for the following statments

- (a) " The instruments of the mathematical instruments box" is considered as a set (     )  
(b) " The members of a family " Considered as a set (     )  
(c) The elements of a set can be written within a pair of curly brackets (     )  
(d) " Beautiful flowers" is a set (     )

C) i)  $T = \{ 6, 12, 18, 24 \}$

Write the set T by writing a common property of the set which can be identified clearly



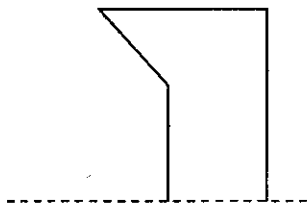
- a) Write the set R by listing its elements  
 b) Propose a suitable name for the set R

(11 Marks)

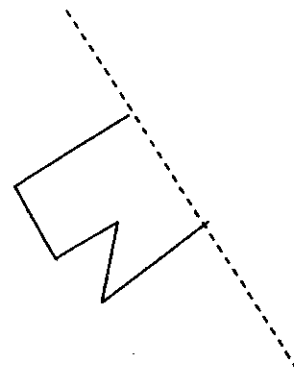
03. Copy the following figures on to your answer script and complete them to obtain bilaterally symmetric figures.

A)

01)



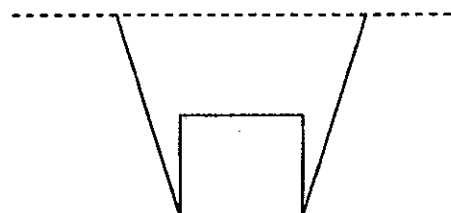
02)



03)



04)



- B) (i) Draw a bilaterally Symmetric figure which has only 3 axes of Symmetry.  
 (ii) Draw a bilaterally Symmetric figure , which has only 4 axes of Symmetry.  
 (iii) What is a bilaterally Symmetric figure ?

(11 Marks)

4) i) Write 48 as a product of two factors in all possible ways ?

ii) Hence , find the factors of 48.

iii) Find the L.C.M of 2,6 and 8

iv) Simplify,

(a)  $10 + 5 \times 2 - 10 \div 5$

(b)  $20 + 5 \div 5$

(c)  $7 \times 3 \div 3 + 7$

(d)  $2 + 5 \times 2 \div 2$

(e)  $5 + 5 \times 2 \div 5$

**(11 Marks)**

5) A. Answer the following questions given from the activities that you have done in the lesson "Parallel Straight Lines"

i) Name two instances, where you see parallel edges in the environment.

ii) Name two instruments , used in drawing parallel straight lines

iii) Draw the following angles

(a) Angle XYZ is  $214^{\circ}$

(b) Angle ABC is  $115^{\circ}$

**(11 Marks)**

6) A) Chatura's birthday is on 2007. 08. 20

i) Find his age to the date 2022. 01 . 31

ii) The age of a baby elephant is 256 days. Express it in terms of months and days

B) Simplify,

i)  $6x + 5y - 2x - 3y + y - x$

ii) Find the value of  $2^4$

iii) If  $x = 2$ ,  $y = 3$  , Find the : Value of  $5x^2 y$

**(11 Marks)**