Royal College - Colombo 07

රාජකීය විද්‍යාලය - කොළඹ 07

Grade 6 – Second Term Test – 2019

දෙවන වාර පරීක්ෂණය - 2019 - 6 ශ්‍රේණිය

කාලය : පැය 2
Time : 2 hours

Mathematics

ගණිතය

Name :- ..... Grade : -..... Index number:-.....

Part I

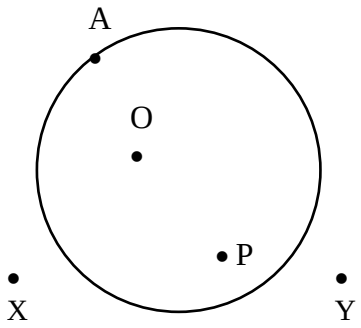
- **Answer all questions from 1 to 20 on this paper itself.**
- **Each question carries 2 marks**

1. Write the number 517500123004 in standard form.

2. In the given figure,

   (i) Name a letter which indicates a position inside the circle.

   (ii) Name a letter which indicates a position outside the circle.



3. Using each digit 7, 5, 9 and 4 only once, Write down,

   (i) The largest possible number of four digits.

   (ii) The smallest possible number of four digits.

4. Simplify,

   15800 ÷ 100

5. Write the time 12 midnight according to the 24 hour clock.

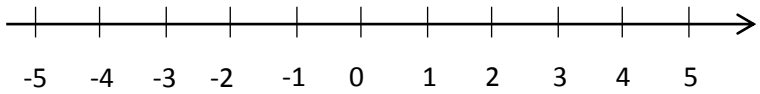
6. In a hall, there are 32 chairs in a row. How many chairs are there in five such rows?

7. Simplify.

$\frac{3}{8} + \frac{1}{8}$

8. Express 10 days in hours.

9. Mark the numbers -2 and 4 on the number line given below.

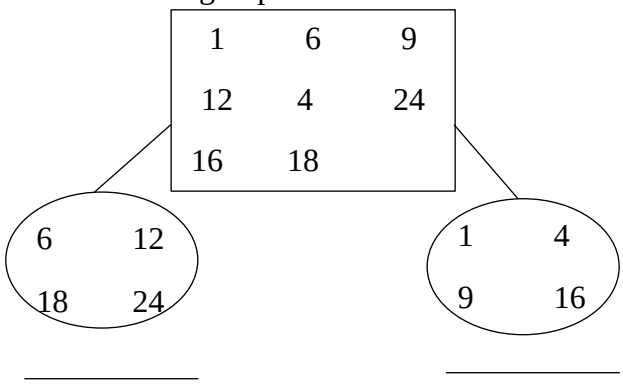


10. Fill in the blank using the symbol " $>$ " or " $<$ "

0.23…… 0.32

11. Add 7.5 + 2.37

12. The following numbers are separated into two groups based on their common properties. Write a suitable name for each group

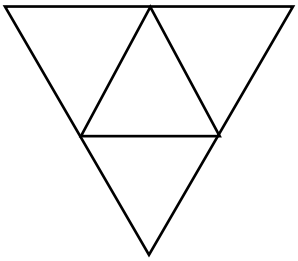


13. Express 245 mm in centimeters and millimeters.

14. When the number of olives which Amal has round off to the nearest 10 is 30. Write the maximum and minimum number of olives which he has.

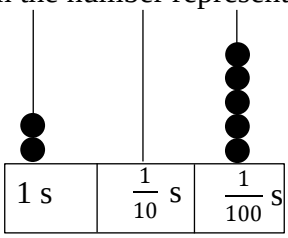
15. Express the amount 10025 *ml* of liquid in *l* and *ml*

16. Name the solid which can be made using the given net.



17. Name two types of quadrilateral of which all sides are equal in length.

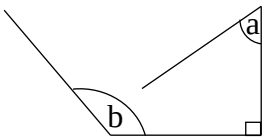
18. Write down the number represented by the abacus given below.



19. Write the type of each angles denoted by the letters a and b

a -

b -



20. Mother bought 5.5 m of fabric to sew a garment. If 4.75 m was used, find the length of the remaining fabric.

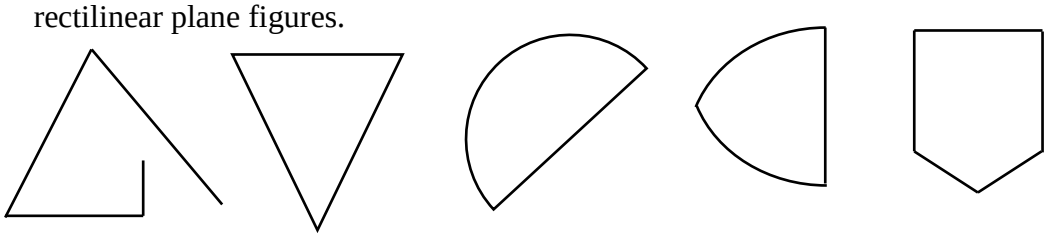
Part II

- **Answer the first question and another 4 questions only**
- **First questions carries 16 marks and other questions carry 11 marks each**.
- **Answer all the questions on this paper itself.**

01. Recollect the subject matter discuss during the lesson "Rectilinear plane figures"

(i) Draw two closed plane figures that you have studied.

(ii) Write down the corresponding letters from the following figures which are rectilinear plane figures.



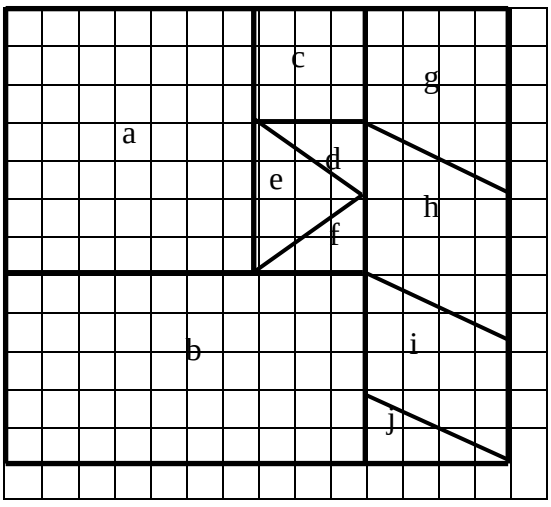
a b c d e

(iii) Write down two common characteristics observed in a square and a rectangle.

(a) .....

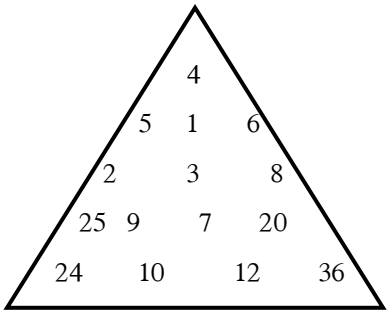
(b) .....

(iv) Using the letters given for rectilinear plane figures in the diagram, complete the table with appropriate name for each.



English Letter	Name of the plane figure
a	
b	
c	
d	
e	
f	
g	
h	
i	
j	

02.



Answer the following questions, using the numbers in the above triangle.

(i) Write the first composite number.

(ii) Write four even numbers.

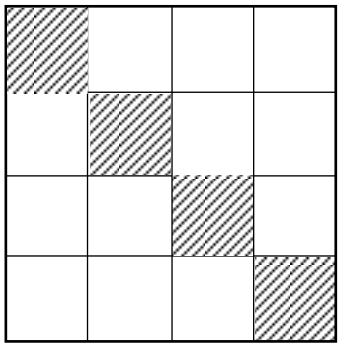
(iii) Write four multiples of 5.

(iv) Write four prime numbers.

(v) Write four triangular numbers.

(vi) Write four square numbers.

03. (a) Write down the shaded area as a fraction of whole figure and express in its simplest form.



b) Simplify.

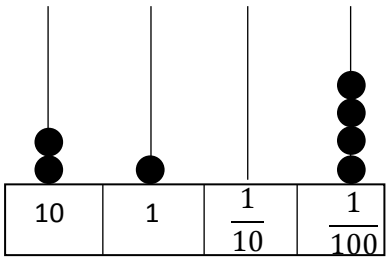
(i) $\frac{2}{10} + \frac{3}{10}$

(ii) $\frac{3}{4} - \frac{1}{2}$

(iii) $\frac{5}{6} + \frac{2}{9} - \frac{1}{3}$

(c) Father spent $\frac{2}{3}$ of his salary on food and $\frac{1}{4}$ of his salary on education. Find the total amount spent on food and education as a fraction of the monthly salary.

04.



(i) Write down the number represented by the abacus above.

(ii) Represent 10.23 on an abacus.

(iii) Write down the fractions $\frac{5}{100}$ and $\frac{3}{10}$ using decimal places.

$\frac{5}{100}$ = ... $\frac{3}{10}$ = ...

(iv) Fill in the blanks using one of the symbols $<, >$ or $=$

(a) 0.04 .....0.40

(b) 0.5 ..... 0.50

(c) 5.82 ..... 5.28

(v) Find the value

(a) $5.2 + 3.8 =$ .....

(b) $7.5 - 4.2 =$.....

05. (a) (i) Express 125 mm in centimeters and millimeters.

(ii) Express 5. 25 m in centimeters.

(iii) Express 3075 m in kilometers.

(iv) Find the value

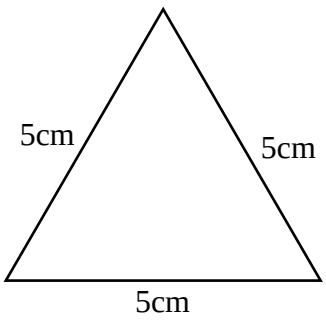
(a)

	m	cm
	10	55
+	14	70

(b)

	cm	mm
	8	2
+	5	9

(v) Find the perimeter of the given triangle.



06. (i) Write down two instances where milliliters is used for liquid measure in day to day life.

(ii) Find the value

(a)

	l	*ml*
	5	250
+	3	875

(b)

	l	*ml*
	15	50
-	13	750

(iii) A glass contains 180 ml of soft drink, If there are 15 guests to be served, find the total amount of soft drink required in milliliters.

(iv) Fill in the blanks.

(a) 5 *l* 75 *ml* = ……..*ml*

(b) 12055 *ml* = ……*l* ……..*ml*

07. (a) (i) How do you find the different between the block of a solid and the net of a solid.

(ii) Name two solids which have equal number of faces, edges and vertices.

(iii) Name a solid of which all the faces are identical squares.

(b) (i) What the shape of a face of a regular tetrahedron and draw the shape of it.

(ii) Write down two characteristics of a regular tetrahedron.