

බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාප මධ්‍යම පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාප මධ්‍යම පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන දෙපාර්තමේන්තුව
 Western Provincial Education Department - Colombo Educational Zone Western Provincial Education Department - Colombo Educational Zone Western Provincial Education Department - Colombo Educational Zone Western Provincial Education Department - Colombo Educational Zone
 බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාප මධ්‍යම පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාප මධ්‍යම පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන දෙපාර්තමේන්තුව
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දෙවන වාර ඇගයීම - 2017
 இரண்டாம் தவணை மதிப்பீடு - 2017
 Second Term Evaluation - 2017

6 ශ්‍රේණිය
 தரம் 6
 Grade 6

ගණිතය
 கணிதம்
 Mathematics

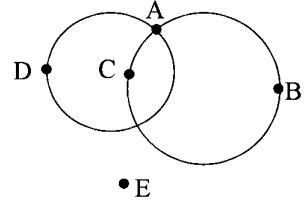
පැය දෙකයි
 இரண்டு மணித்தியாலங்கள்
 Two Hours

Name/Index No :

PART I

- Answer all questions on this paper itself.
- Each question gets 2 marks.

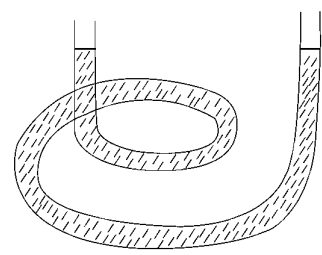
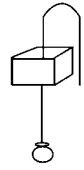
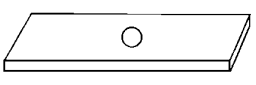
1. a) is the common point for the two circles.
 b) is the point out side the circles.



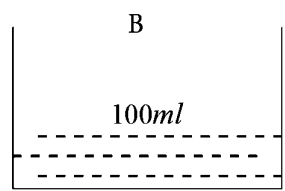
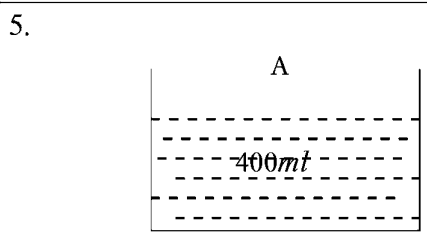
2. Educational trip starts at 6.25 a.m.  Educational trip finishes at 5.10 p.m.

Find the time taken for the Educational trip in hours and minutes.

3. State the following equipments which are used to verify the planes.



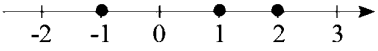
4. Write the names of three quadrilaterals in the space given below.
, Rhombus,, Rectangle



Find the volume of the water to be poured from vessel A to vessel B, so that vessel A and B have equal volumes.

6. Write 12 500 004 in words as a standard form.

7. Mark True (✓) or False (✗) in front of the statement given in the table.

Zero is a positive integer	
The numbers represent on the number line are integers. 	
$4 > (-4)$ is false	

8. Circle the wrong step in the following workouts.

$$\begin{aligned}
 \text{a) } & \frac{3}{4} + \frac{1}{8} \\
 &= \frac{3 \times 3}{2 \times 4} + \frac{1}{8} \\
 &= \frac{6}{8} + \frac{1}{6} \\
 &= \frac{7}{8}
 \end{aligned}$$

$$\begin{aligned}
 \text{b) } & \frac{7}{10} - \frac{1}{5} \\
 &= \frac{7}{10} - \frac{1 \times 2}{5 \times 2} \\
 &= \frac{7}{10} - \frac{2}{10} \\
 &= \frac{9}{10}
 \end{aligned}$$

9. .54 is a decimal number less than one write the suitable digit to the box.

10. Underline the suitable methods to change a cuboid into a cube.

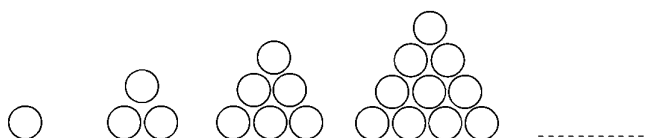
- a) Equal the length of the sides
- b) Reduce the number of vertices
- c) Reduce the number of faces

11. There are 1600 students in a School. An average students in a class is 32. Find the number of classes in the School.

12. Pick square numbers less than 20 in the given figure.

3	12	4
10	20	16

13. Draw the next pattern.

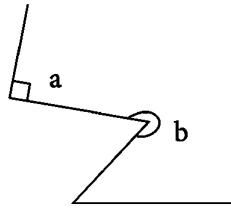


14. To measure the radius of a cardboard circle, how many minimum folds you have to fold it.

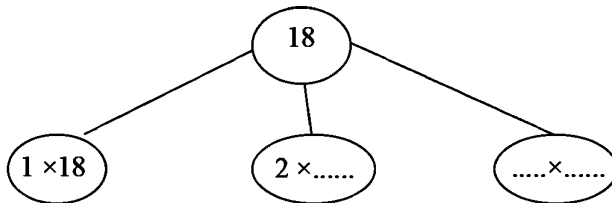
15. Name the types of the angles given below.

a =

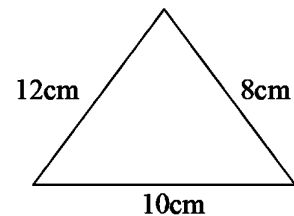
b =



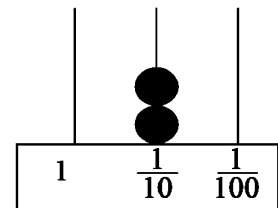
16. Write the suitable numbers in the space given below.



17. Find the perimeter of the triangle.

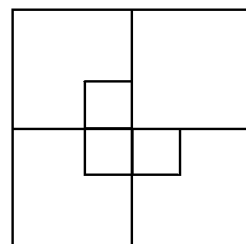


18. Write the decimal number represented in the abacus.



19. If a number is rounded off to the nearest 10, the answer is 40. Find the minimum value it can be taken.

20. Find the total number of squares in the figure?



PART II

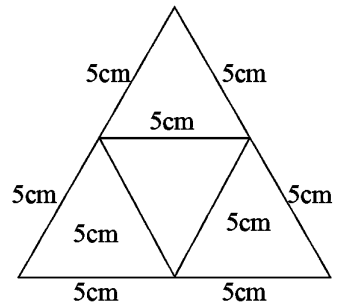
- Write the answers for the question number 1 and four others on a separate paper and attach it to the Part I.
- Question No. 1 carries 16 marks and, all the others get 11 marks each.

1. a) Following is a piece of net cut by a student.

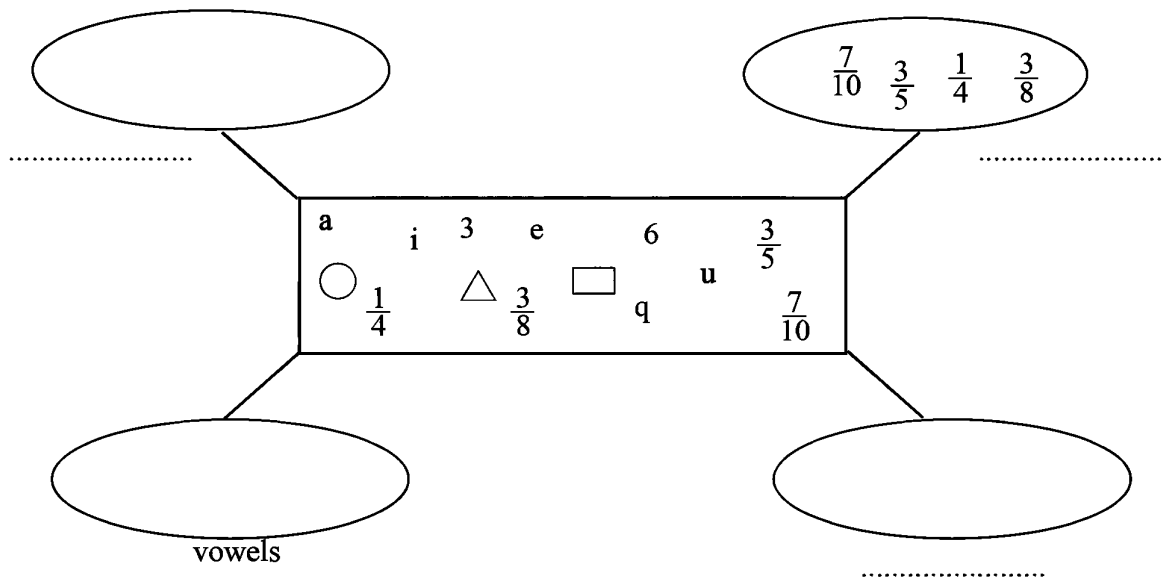
i) What is the name of the solid that can be made using the net.

ii) Find the length of a side of that solid.

iii) Write down two properties of that solid.



b) Separate the collection of items in the following figure into four groups according to their characteristics and write a suitable name for them.



c) Simplify the following.

i) $64.5 + 6.45 =$

ii) $324 \times 100 =$

iii) $8945 + 1275 - 3496 =$

2. j) Fill in the blanks, using the knowledge of equivalent fraction,

$$\frac{2}{5} = \frac{\square}{20} = \frac{18}{\square}$$

ii) Write down the following fractions in ascending order.

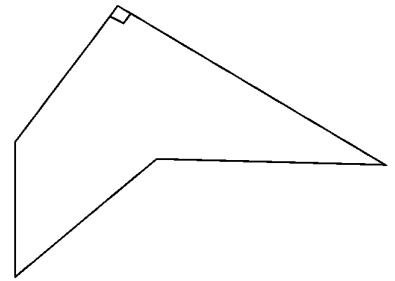
$$\frac{1}{4}, \frac{1}{8}, \frac{1}{2}, \frac{1}{5}, \frac{1}{10}, \frac{1}{7}$$

iii) Simplify $\frac{11}{24} + \frac{1}{4} =$

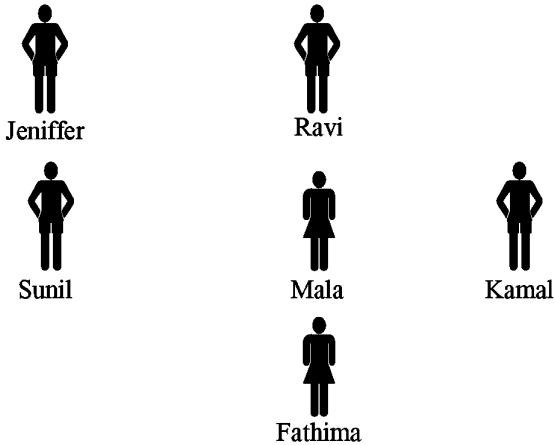
iv) Simplify $\frac{3}{5} - \frac{2}{15} =$

3. a) Copy down the given figure and mark the relevant angles writing the suitable letters on it.

- a - Acute angle b - Right angle
 c - Obtuse angle d - Reflex angle






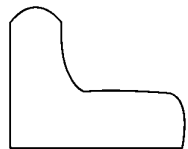
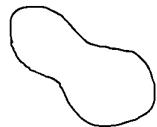
b)



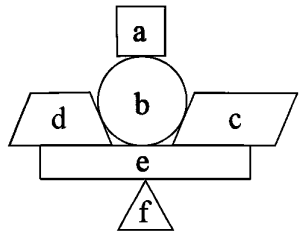
Using the above diagram,

- i) Kamal is standing in the direction from Sunil.
- ii) Mala is standing in the direction from Jeniffer.
- iii) is standing to the South West direction of Ravi.
- iv) is standing to the West direction of Kamal and North direction of Fathima.
- v) Draw the Position of Ajith in the above diagram who should stand to the South West direction of Mala.

4. i) Select the suitable answers from the brackets given below and rewrite. (Closed curved line figure, open straight line figure, closed straight line figure, open curved figure, closed figure)

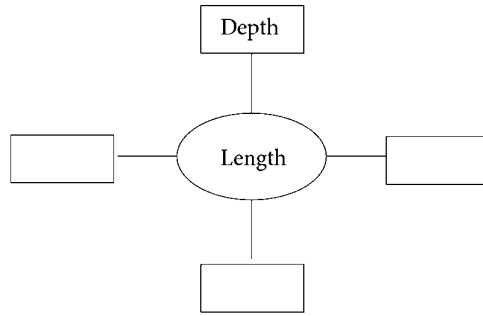
a) 	b) 	c) 
.....
d) 	e) 	
.....	

ii) Name the shapes given in alphabetical letters given below.

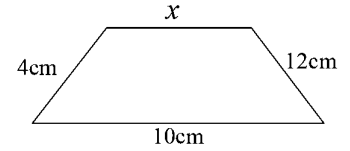


- | | |
|----------|----------|
| a) | b) |
| c) | d) |
| e) | f) |

5. a) i) Write down the other forms of length in the blanks given below.



ii) If the perimeter of the figure is 32cm. Find the value of x .



b) i) How many 350ml of complete glasses can be poured from 2l fanta bottle?

ii) Find the volume of the remaining after poured?



6. a) Write the suitable names for the given patterns.

i) 1, 3, 5, 7, 9, →

ii) 1, 4, 9, 16, →

iii) 2, 3, 5, 7, 11, →

iv) 1, 3, 6, 10, 15, →

v) 2, 4, 6, 8, →

vi) 4, 6, 8, 9, 10, →

b) There are two ways to travel from Kaduwela to Galle,

* Time taken for using highway is 1 hour and 10 minutes.

* Time taken for using normal way is 3 hours and 20 minutes.

i) If Cader starts his journey using normal way from Galle at 12.00 noon. At what time will he reach Kaduwela.

ii) If Shanthi starts her journey from Kaduwela to Galle using the highway and immediately return back to Kaduwela at 12.50p.m. Using the same way when did Shanthi started her Journey.

7. a) Draw a number line from (-3) to (+12) and circle the negative integers.

b) Fill in the blanks using less than (<) or greater than (>) symbols.

i) (-8) 8

ii) 0 -5

iii) 0.8 0.88

iv) 5.02 5.2

c)

$5\frac{3}{4}l, 1\frac{1}{2}l, 5.5l, 2\frac{1}{4}l, 2.5l$

Write the above volumes of the liquids in the descending order.