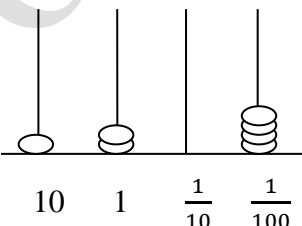
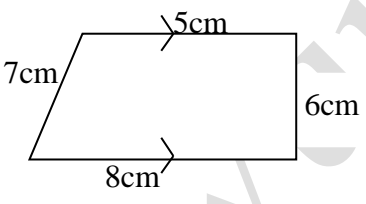


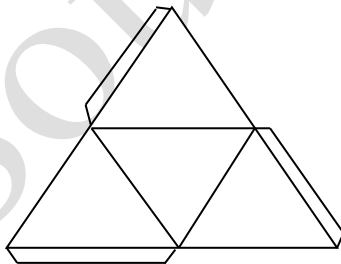
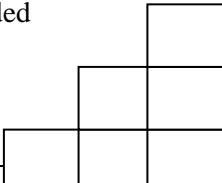


Zonal Education Office Vavuniya South
Second Term Examination – 2017
Mathematics
Part - I

Grade 06
Answer the all questions

Time :- 2 hours

1	Solve: $\frac{2}{5} + \frac{1}{5}$
2	Write all the factors of 12
3	Write down the largest possible number of three different digits it divisible by 2 & 5 without a remainder
4	Write the numbers indicated by this abacus? 
5	Use symbols > or < to fill in the blank (I) $\frac{3}{5}$ _____ $\frac{2}{3}$ (II) (-3) _____ (-1)
6	 <p>I) What is the special name of this quadrilateral</p> <p>II) Find the perimeter of the above figure?</p>
7	Approximate 65 to the nearest 10?
8	How many obtuse angle are there in the following figure 
9	Solve : 12.78 - 3.26
10	How many triangular numbers should be added to get the 10 th square number?

11	Fill in the blanks $2^6 = 4^{\dots\dots\dots} = \underline{\hspace{1cm}}^2$
12	There was 5l of water in a can. 750ml of water was taken out first. Then 635ml of water was taken. Find the volume of the water in the can now?
13	Represent the below numbers on a number line -3, 0 and 2 
14	<div style="display: flex; justify-content: space-between;"> <div> <p>I) The given net diagram is of a regular solid. when a solid is made folding along the lines, what is the name of the solid that is formed?</p> <p>II) How many vertices does it have?</p> </div> <div style="text-align: right;">  </div> </div>
15	An event telecasted on a television program at evening 5hour 30minutes and continue for 45 minutes a) Write the time the event was finished b) Write the above time in standard form
16	In the number 31.685 Write the value represented by 8 in decimal number?
17	Find the suitable number of the equivalent fraction <div style="display: flex; justify-content: space-around;"> <div>I) $\frac{2}{5} = \frac{\dots\dots\dots}{20}$</div> <div>II) $\frac{3}{\dots\dots\dots} = \frac{81}{135}$</div> </div>
18	Write 3.67, 3.09, 4.25, 2.87 in the ascending order
19	Write “ Two million twentysix thousand and twenty seven” in digits form
20	Cubes are piled in 3 layers as shown in the given figure. How many cubes are needed To make 25 layers? 

Part –II

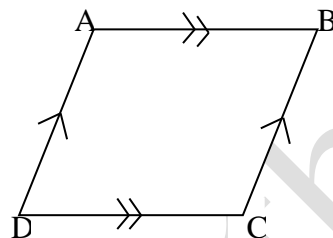
Answer the first question and any four of other questions

(01)a

I) Write the three types of triangles based on the sides

II) a. Write the name of the given plane figure?

b. Write a special feature of the above figure?

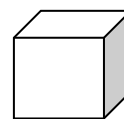


III) Draw a logo for sports club by using the rectilinear plane figure.

(3 + 2 + 2 + 3)

b A cube placed on a horizontal plane table is shown in the figure.

1. How many horizontal and vertical edges?



2. Draw a net diagram that can be used to construct above solid?

3. A compound solid is made by placing the cube in the figure on an identical cube, such that two of the faces coincide and then pasting them together. What is the name of the solid that is made?

(2 + 2 + 2)

(02) I. Convert the given fraction in simplest form

(a) $\frac{54}{162}$

(b) $\frac{24}{36}$

II. Simply

(a) $\frac{2}{15} + \frac{1}{5}$

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

(c) $\frac{5}{8} - \frac{3}{8}$

$(1 + 1 + 3 + 4 + 2)$

(03)I. In the number 67.431

a) Represent above number in abacus

b) What is the place value of 3?

II. 1. Add: $4.63 + 12.71 = \underline{\hspace{2cm}}$

2. Subtract $7.3 - 3.43 = \underline{\hspace{2cm}}$

III. Ajith gave 0.75 and 0.15 portions of his land to his daughters Anushka and Athvik respectively. He gave the remaining land his wife Shalini. What portion did Shalini get?

$(3 + 1 + 2 + 2 + 3)$

(04) I) Write all prime numbers between 20 and 30?

II) What is the first composite number?

III) a. Write 36 as a product of prime factors?

b. Write all the factors of the number 36?

c. Write the total number of factors of 36?

$(2 + 1 + 2 + 1 + 1)$

IV)
$$\begin{array}{rclcl} 2 & = & 2 & = & 1 \times 2 \\ 2 + 4 & = & 6 & = & 2 \times 3 \\ 2 + 4 + 6 & = & 12 & = & 3 \times 4 \\ \dots\dots\dots & & & & \end{array}$$

Observing the above number pattern,

1. Find the sum of the first 8 even numbers.

2. How many even numbers from the 1st even number should be added to get the answer of 50×51 ?

(2 + 2)

(05) 1. Give two units that are used to measure liquid

2. Fill in the blanks

a) $2375ml = \text{---} l \text{---} \text{---} ml$

b) $1035ml = \text{---} l \text{---} \text{---} ml$

3. a)

4	286
+ 2	765
<hr/>	
<hr/>	

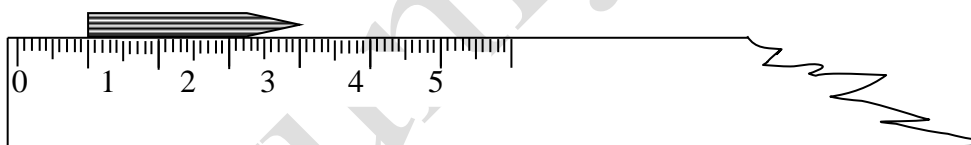
b) $12l\ 36ml - 5l\ 753ml =$

4. How many 200ml glasses can be filled with 1l orange juice?

(2 + 3 + 2 + 2 + 2)

(06)

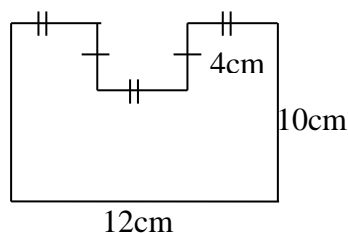
1. What is the length of the given below pencil?



2. Draw the 4.2cm line segment PQ by using the ruler

3. Write the given length in kilometres
2065m

4. Find the area of the given diagram?



5. The length of rectangle is 8cm. If its perimeter is 26cm. then what is its width?

(2 + 2 + 2 + 3 + 2)

Vavuniya South