Department of Sabaragamuwa Provincial Education
First Term Test – 2018

Mathematics - I   Grade 06   **Time : 2 Hours**

Name : .... Index No : ....

Part - I

Answer all the questions.

01.
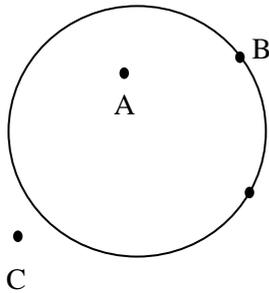
According to the figure,

1. Which letters indicate positions on the circle ?

2. Which letters indicaate positions outside the circle ?

02. Multiply 322×4

03.
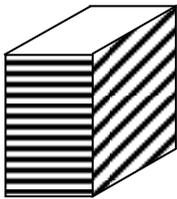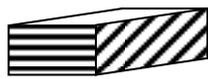
A   B

If there are 20 books in stock B.

Estimate the number of books in A.

04.
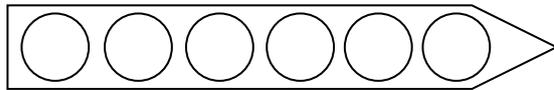
Samadi
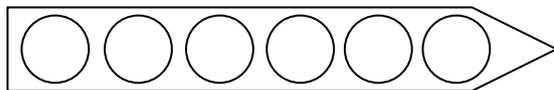
Amali

The figure shows the number of sweets, two friends named Samadi and amali received. If Dayani joined to them, draw the method that they divide the same amount of sweets among three friends.

05. Price of 500g of a pumkin   - Rs.43.00

Price of 250g of a carrot   - Rs.31.00

Rounding off the total price of 500g of pumkin and 250g of a carrot to the nearest multiple of ten.

06.
$$
\begin{array}{r}
2\ 0 \\
\times\ \ 6 \\
\hline
\hline
\end{array}
$$

07.

-5   -4   -3   -2   -1   0   1   2   3
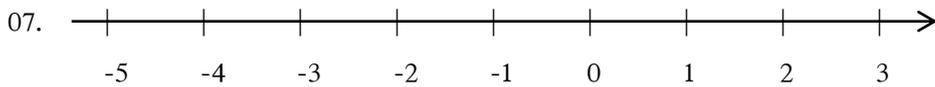
Mark the negative integres greater than -3 on the given number line.

08. 148 + ☐4 = ☐ 02

Fill in the blanks.

09. What are the integers between -2 and 1 ?

10. Rounding off the following numbers to the nearest multiple of ten.

76   →   ....

35   →   ....

11. Fill in the blanks using < or >

i.   -2 0

ii. -4 .... -8

12.
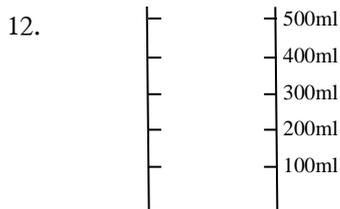
Amila poured 125ml of water to this vessel. After that again he poured 275ml to the vessel. Mark the total quantity of water in the vessel now.

13. What is the difference between the largest and smallest possible four digit number, when write a number by using the digits 3,7,2 and 1 exactly once ?

14. Write the following numbers in acccending order.

4, -5, -2, 0

15.

A   B

How many times larger A than B.
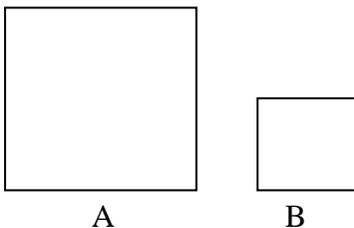
16. Represent the multiples between 1 and 9 on a number line.

17.   Dayani spends 80 minutes for studing. Pavithra spends 1 hour and 15 minutes for studing. Who spends more times for studing ? Give reasons for your answer.

18.

A	B
-2 and 3	(-2, -1, 0, 1, 2)
-4 and 1	(-3, -2, -1, 0)
	(-1, 0, 1, 2)

Match A and B, using the knowledge of integers.

19.   What is the angle formed by adding a acute angle and a right angle ?

20.   Fill in the blanks.

Inequality	In words
-4 $<$ 2	....
....	zero is greater than minus three.

- Answer 05 questions only.

01. a. 74291852

   i.   Write down the above number in standard form.   (03)

    ii.   Write the above number in words.   (03)

  b. Thousands   Hundreds   Tens   Ones

      4   2   1

    i.   There is a pattern in this number. According to a pattern write down a suitable value for thousands place.   (04)

    ii. A B C

    1st Number $\longrightarrow$ 3   5   6

    2nd Number $\longrightarrow$ ----------------

The three digit number is shown here. Interchange the digits A and C, of the first number then write the new number. How many times of the digit C in the 2nd number than the digit 6 in the 1st number ?   (02)

02. i. Simplify   4   7   5   2   (03)

                                 −   6   1   8

  ii. Fill in the blanks

$$
\begin{array}{r}
5\ 1\ 3 \\
\times\ 2\ 3 \\
\hline
1\ 5\ 3\ \square \\
1\ 0\ \square\ 6 \\
\hline
1\ 1\ \square\ 9\ \square \\
\hline
\end{array}
$$

     (03)

  iii. Simplify and represent the answer in an abacus.   (04)

$$
\begin{array}{r}
1\ 0\ 2\ 1 \\
+\ 3\ 0\ 1\ 4 \\
\hline
\end{array}
$$

iv. 318 + 36   Is this correct of wrong ?

Give reasons for your answer   (02)

```
  3  1  8
  3  6
 ─────────
  6  7  8
 ═════════
```

03' i.
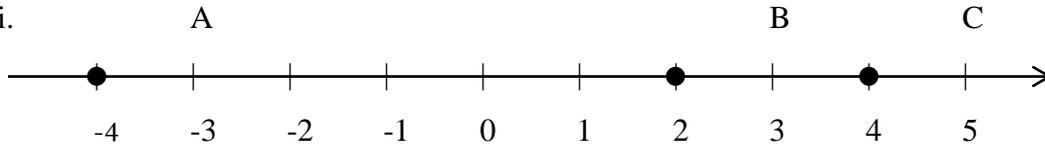
Write down the numbers which are represented by A, B and C on the above number line.

    A -

    B -

    C -   (03)

ii. Using the above numbers and symbols > or <, write down three inequalities.

    ....

    ....

    ....   (03)

iii. The average temperature in degrees Celsius of several cities is shown below.

City	Temperature
A	6^0 C
C	10^0 C

Make the above temperatures on a number line.   (03)

iv. Write down the relationship between the number of integers between -6 and -1, number of integers between -1 and 4.

    (03)

04. i.

| A	B
36	
34	30
28	
44	
35	40
31	

For each number in grade A, select the number in group B which is obtained when the number is rounded off to the nearest multiple of 10 and join the two numbers.

(03)

ii. In Samagipura Maha Vidyalaya, there are six parallel classes and there are 32 students in all grade 6 classes are nearly equal, estimate the total number of students in grade six. (03)

iii.
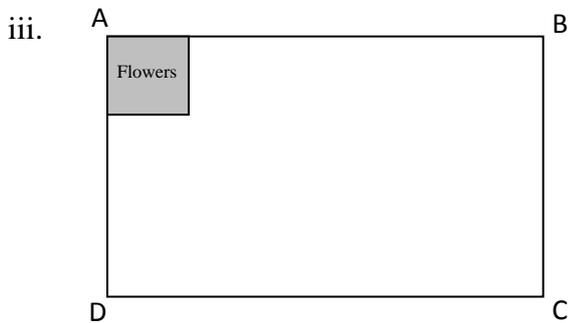
Rectangular shaped garden is shown in the diagram.

The coloured part near the corner A was planted flowers. Twice of that part on the corner B was planed vegetables.

There was a play ground on the corner C. Such that the area was thrice of the part A.

the above parts on corner B and C. (02)

iv.

When this numbers is rounded off to the nearest multiple of ten the answer is 20.

This number is a multiple of 3

Is the answer is 16 ? Give reasons for your answer. (03)

05. i. Fill in the blanks and find the answer.

hours   minutes
3   40

170 minutes ⟶ +·· ······

(03)

ii.
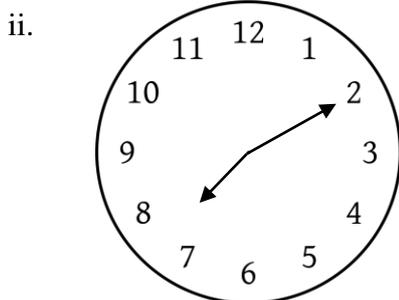
Left home   Returned home

6
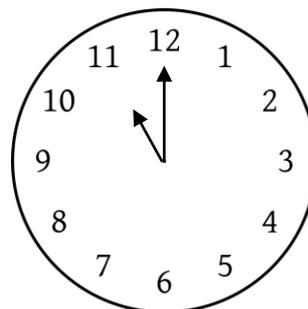
The time of student left home for attend a tusion class and returned home is shown in the diagram. Find the time he spent for a class.

(03)

iii. Achini engages in sports on 4 days per week, 45 minutes per each day.

Samadi engages in sports on 6 days per week, 30 minutes per each day.

What is the relationship between the total time that they engages in sports ?   (ලකු. 4)

iv. A man travels the first part of his journey by bus. Twice of the first part he travels by train. If the time taken for first part is 1 hour and 15 minutes, find the total time for his journey.

06. i.
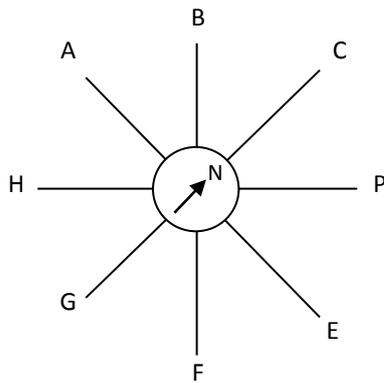
Write the directions of A,G and D.

A -

G -

D -   (03)

ii. Write down 3 letters, which are shown sub directions   (03)

iii. Draw, a ball is to the west.

a tree is to the North-East

a star is to the North-West on the given figure.   (03)

iv.
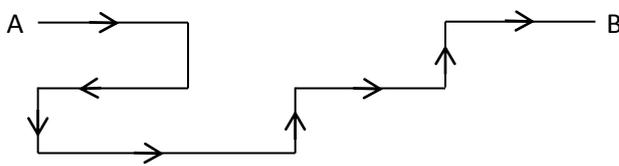
What is the relationship between the turns of East and the turns of South.

(ලකු. 3)

07. i.   A   B

Soap

Bangle   Circular shapes

Egg

Plate

Full Moon

Using the knowledge of circular shapes , join A and B   (03)

ii.
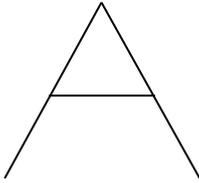
| Type of angles	Number of angles
Acute angle	....
Obtuse angle	....
Right angle	....

Fill in the blanks using the given figure.

(03)

iv. Draw two times which are shown right angle between hour jand and minute hand. Write the time also.
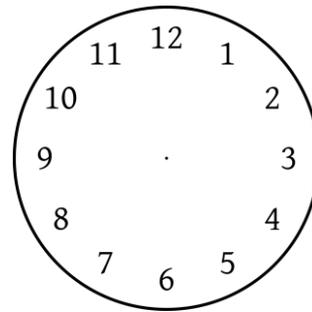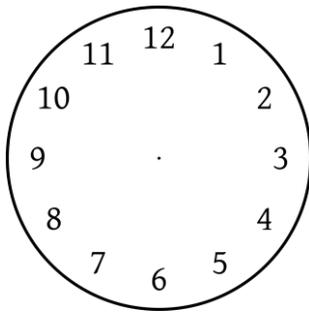
Time ....   Time .... (03)

v.

	Number of folded times	Angles in the centre
	1	2
	2	4
	....	....
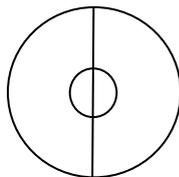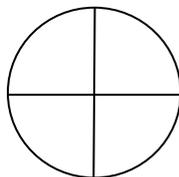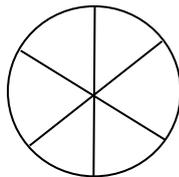
a. Fill in the blanks. (02)

b. Write down the relationship between the folded times and angles. (01)

8

Department of Sabaragamuwa Provincial Education
First Term Test – 2018

Mathematics

Grade 06

Answers

Paper I

01.　i.　　B

　　ii　　C

02.　1288

03.　20 x 3

　　60

04.
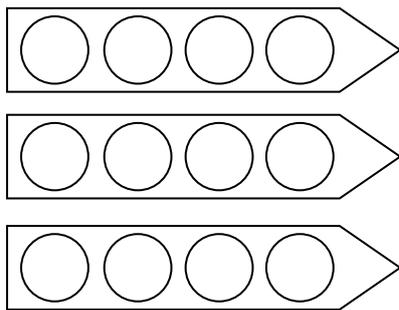
05.　40 + 30 = Rs. 70 or

　　43 + 31 = 74 = Rs. 70

06.　120, Three times

07.
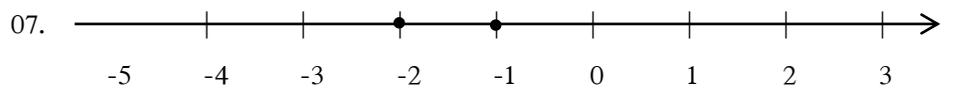
08.　5　　2

09.　0 and -1

10　76 - 80

　　35 - 40

11.　-2 < 0

　　-4 > -8

12.　125

　　275

　　400ml

9
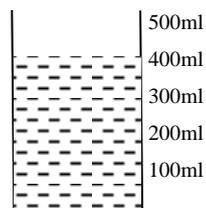
13.   7 3 2 1

        - <u>1 2 3 7</u>

         6 0 8 4

14.   -5, -2, 0, 4

15.   4 times

16.
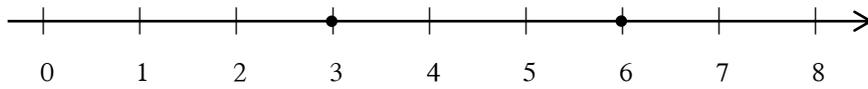
17.   Dayani - 80 minutes

       Pavithra - 75 minutes

      ∴ Dayani

18.   -2 and 3 → (-1, 0, 1, 2)

      -4 and 1 → (-3, -2, -1, 0)

19.   Reflex angle

20.   -4 is less than 2

      0 > -3

01. a. i.   74 291 852

ii.   Seventy four million two hundred ninety one thousand eight hundred fifty two.

iii.   8

iv.   6 5 3

Hundred times

02. a. i.   138

ii.   9

2

7 and 9

iii.   4035

1000   100   10   1
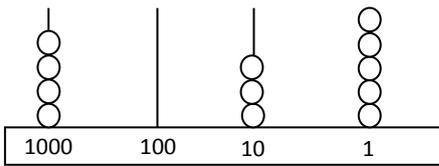
iv.   Change the place vaalue and write the numbers.

03.   i.   A = -4

B = 2

C = 4

ii.   Any 3 relationships

iii.

-4   -2   0   2   4   6   8   10
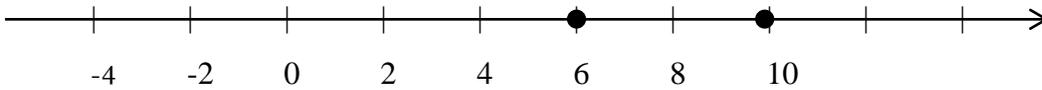
iv.   between -6 and -1   -5 -4 -3 -2   4 integers

between -1 and 4   0 1 2 3   4 integers

Equal

04.i.   A   B

36

34   30

28

44

35   40

31

ii.   3 2

        <u>x 5</u>

      160 ක
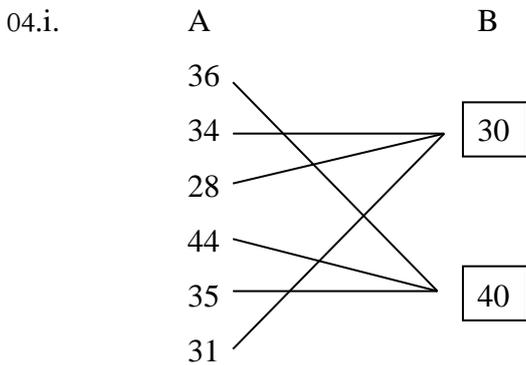
iii. Give marks for suitable figure

iv. Can't

   It is not a multiple of 3s

05. i.   Hours   Minutes

               <u> 2   50 </u>

    Total   <u> 6   30 </u>

ii. Hours Minutes

   11   00

    <u>7   10 </u>

    <u>3   50 </u>   Three Hours 50 minutes

iii. 45 x 4 - 180 minutes

   30 x 6 - 180 minutes

      Times are equal

iv. By bus   1   15

   By train   <u> 2   30 </u>

   Total time   <u>3 hours 45 minutes</u>

06. i. A - West

   G - South

   D - North east

ii. D - North east

   F - South east

   H - South west

   B - North west (3 of these answers)

iii. Give marks for suitable figure

iv. Number of turns to turn east is 2 times of turns that are turn south.

07. i. Bangles

Plate ——————————— Circular shape

Full moon
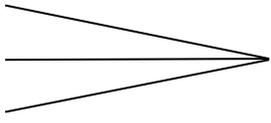
ii. 3- acute angles

2 - obtuse angles

0 - right abgles

iii.

3.00   9.00
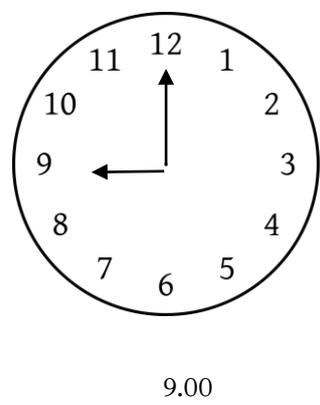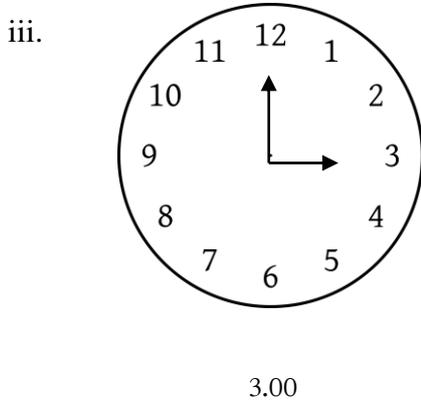
iv. a.   3   6

b.   Number of angles - 2 times of folding a circle.