FIRST TERM MODAL PAPER-1
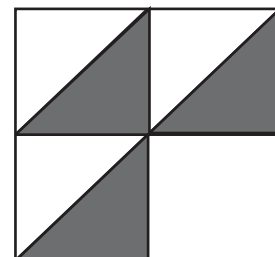## MATHEMATICS
Grade 6

Answer all questions.

01. The price of 1kg rice is Rs 80, what is the price of $2\frac{1}{2}$ kg rice.

02. What is the place value and value corresponding to the position of zero in the number 70321

03. What is the opposite direction of southwest.

04. Write down the standard form of 11.09 pm

05. What is the fraction of the shaded part.

06. Add $\frac{1}{2} + \frac{1}{4}$

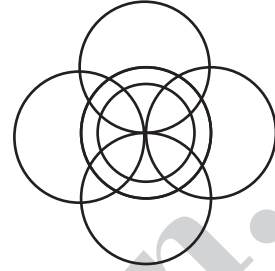07. How many millions are there in ten billions

08. Fill in the blank : 3000ml = ...l

09. Write down the next two term of the number pattern.
    3, 8, 13, 18,.......,.......

உன்னை நீ அறி...!

10. Write down the number 3210597 in words

11. Fill in the blank cage $\frac{5}{7} = \frac{15}{\square}$
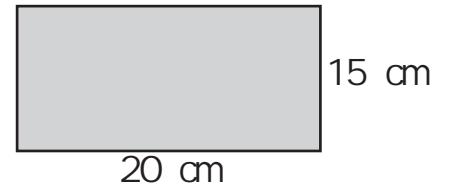
12. How many circles are there in the design
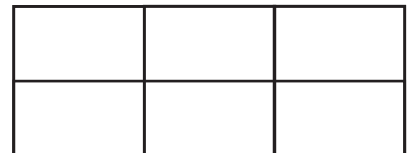

13. Find the value of 189 + 111 - 49

14. Fill in the blank : 2 minutes 50 seconds = ...second

15. Find the perimeter of the rectangle

15 cm

20 cm

16. How many zeros are there in one crore

17. How many rectangles are there in the diagram

18. Fill in the blank : ....x 42 + 5 = 425

19. Denote the number 30456 on abacus

20. Find the value of (5-3) x (4-3) x (3-3) x (4-3) x (5-3)

Date : ....   Parent signature : ....

Mathematics - MODAL PAPER 1 | 2 | *Ra.SinThujan. (B.Sc)*

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(Answer only five questions)

01. Answer the following questions using the numbers given below

| M — 397 | N — 105 | S — 540 | T — 507 |

    1. What is the greatest number

    2. What is the place value of 9 in number ' M '

    3. What is the difference between greatest and smallest number

    4. Expand the number ' S '

    5. Represent the number ' T ' on abacus

    6. When arranging the number zones in the order of NSTM , What is the number that we get

    7. Write down the above number (in part 6) in words

02. a. Simplify

    1. 9876 + 876 = ...

    3. 315 x 25 = ...

    5. 490 + 1293 - 1325 = ...

    2. 4321 - 978 = ...

    4. 625 5 = ...

  b. 1. Give the name of plan figure that can be obtained by minimum sides

    2. The figure given below shows a front of a house. Name the plane figures shown

A - ....

B - ....

C - ....

D - ....

E - ....

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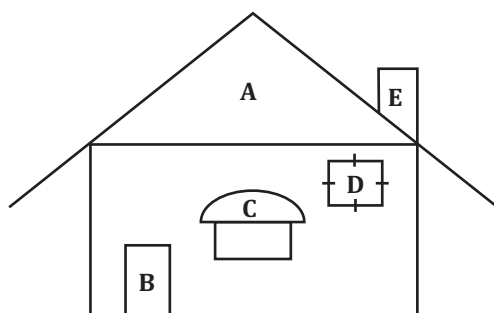
03. a. 1. Prepare the bill according to the price list

Price list		
Dhal	1 kg	Rs 180
Flour	1 kg	Rs 90
Samba Rice	1 kg	Rs 85
Milk powder (400 g)	1	Rs 375
Sugar	1 kg	Rs 110

Food items		RS
Samba Rice	2kg	
Sugar	$2\frac{1}{2}$ kg	
Flour	$2\frac{1}{2}$ kg	
Dhal	2kg	
Milk powder (400 g)	2	
Total		

   2. Vadivelu tendered Rs 5000 note to the shop keeper after buying above food items, what is the balance money should receive from the shop keeper.

   b. 1. 1 hour   - ....minutes   2. 1 minute   - ....second

   3. 1 hour   - ....second   4. 1 day   - ....minutes

   c. A pipe take 3 hours 30 minutes to fill a tank. If the pipe was opened at 9.30 am. At what time tank will be completely filled? Give that time in standard form

04. a. 1. In a competition of throwing darts onto a circular board by standing at a location in front of it
   ● 20 points are awarded if the dart hits the center of the circle
   ● 15 points are awarded if the dart hits the inside of the circle
   ● 11 points are awarded if the dart hits on the circle
   ● No points are awarded if the dart hits the outside of the circle

   A group of students participated in the above competition. Mark the students's name on a circle from who get the points
   1. Kajan and kugan were get 15 points
   2. Hari and Ravi were awarded 11 points
   3. Rajee got no points
   4. Siva was awarded 20 points

   b.
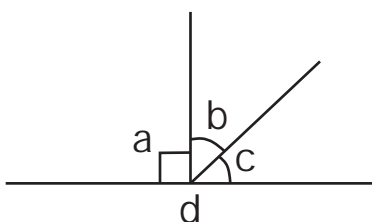
   1. Write the type of angles
      a   -
      b   -
      a+b -
      d   -

   2. Are a+b+c and d equal?

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05. a. Draw a suitable diagram to the following data

1. A hospital is situated middle of the town
2. School is situated west to the hospital
3. The market is situated south to school and southwest to the hospital
4. The temple is situated east to the market and southeast to the hospital
5. Suriya's house is situated north to the temple and north east to the hospital

b.   1. Write the name of instruments use to measure
     vertical   -
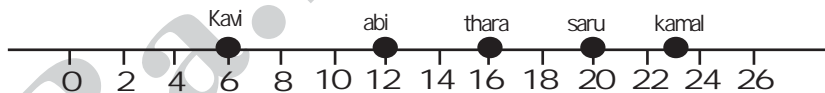   horizontal -

2. Write an example to each
     vertical   -
     horizontal -

06. The following number line represent the age of five friends at 2018 in a city

1. Who is elder

2. What is the age of younger in above five friends

3. How many years saru elder than abi

4. Who are more than fifteen years old

5. plot the age of above friend on the given number line at 2015

Date : ....   **Parent signature : ....**

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FIRST TERM MODAL PAPER-2
MATHEMATICS
Grade 6

Answer all *questions.*

Part I

01. The price of 1kg sugar is Rs 70 , Find the price of 2500g sugar

02. What is the value and place value of 7 in 67203

03. Write down the standard form of noon 12.00

04. Fill in the blank cage

```
    4 6 3
    5 □ □
    □ 7 4
  ─────────
    1 6 9 4
```

05. Fill in the blanks using < or >
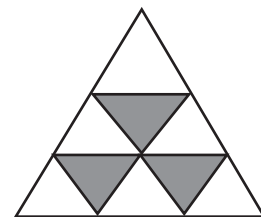   1. (-3)..............(-10)   2. (-7)..............10

06. Write down the next two term of the number pattern

   23 , 18 , 13 , ... , ...

07. What is the fraction of the non shaded part
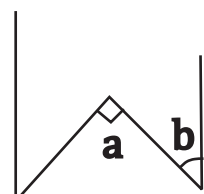

08. Fill in the blanks

   80 hours = ... Days + ... Hours

09. Fill in the blanks.
   1. .... ÷ 10 = 875   2. 4310 x 100 = ...

10. Write down the positive integers between -5 and 5.

11. Write the type of each angles shown by the letters in the given diagram

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12. If the rounding off a number to the nearest multiple of ten is 90, What is the minimum value of the number

13. In a circle, What is the name of intersection point of symmetry axis

14. Simplify :   30 x 15 + 10

15. Mark each correct statements with (✓) and each incorrect statements with (X)

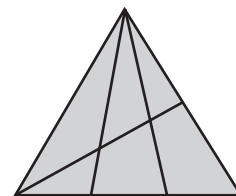|	
The maximum value of an acute angle is 90°	
The diameter of a circle is twice of the radius of that circle	
The angle between the minute hand and the hour hand is 180°, when the time is 6.00 pm	

16. Write down the expand form of 76203

17. Simplify : $\frac{1}{2} + \frac{1}{4}$

18. Write the direction of B from the A in the given diagram
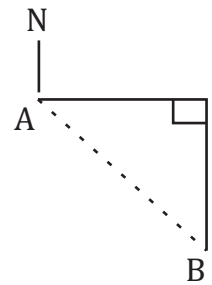
19. How many triangles in the given diagram

20. Write down the suitable value to the boxes

```
3 ─────┐
        │
☐ ─────┤  X 4  │  +2  │  ☐
        │               │  22
2 ─────┘               │  10
```

Date : ....   **Parent signature :** ....

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Part II

(Answer only five questions)

01. Answer the following question using the numbers given below

540	**2500**	**8000**	**18798**
357	**21652**	**6359**	

1. Which number has 7 in ones place

2. Which number has 6 in hundreds place

3. What is the value of number 3 in 6359

4. Which numbers are multipes of hundred

5. What is the smallest number

6. Draw an abacus for smallest number

7. What is the difference between the greatest and smallest numbers

02. a. Answer the following questions according the diagram

Tution	School	Library

Post office
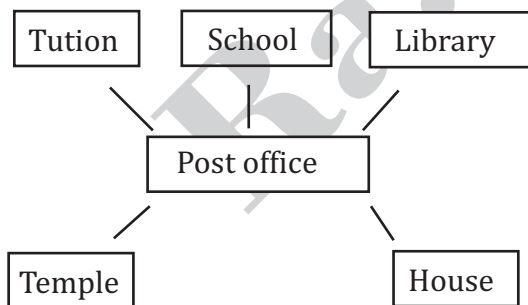
| Temple		House

1. In which direction is house situated form post office

2. In which direction is library situated from temple

3. Name the 2 places located east to tution

b. 1. Iniyavan saves 10 rupees every day. How many money will be saved during the one month (take 1 month = 30 days)

2. Kumar approximated his total term marks to the nearest ten 950 is obtained If the reduces his marks by one and approximates to the nearest ten 940 is obtained. Find his total marks

Mathematics - MODAL PAPER 1   8   Ra.SinThujan. (B.Sc)

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3. Write down the type of angles
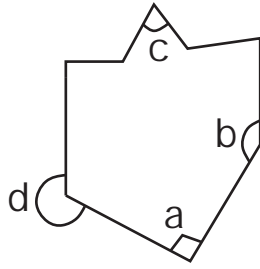
a - ....

b - ....

c - ....

d - ....

03. a.

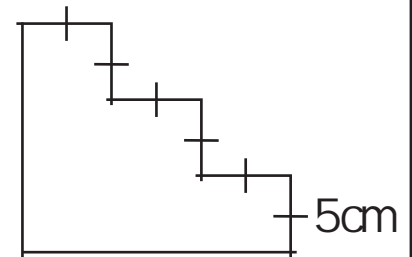| Items	Price
Sugar (1 kg)	Rs 85.00
Flour (1 kg)	Rs 70.00
Rice (1 kg)	Rs 80.00
Dhal (1 kg)	Rs 160.00

A customer gave a Rs 1000 note after buying 4 kg rice, 500g dhal and 1.5 kg flour.

1. Find the total value of the buying items

2. Find the balance money

3. If he went to buy 7kg sugar, how much money should be paid additional with above balance

5cm

b. 1. Find the perimeter of the given figure

2. Simplify

1. 73 x 100 = ...

2. 1500 ÷ 100 = ...

3. 1414 ÷ 14 = ...

04. a. 1. Write down the standard and general form of the time morning 12.30 and evening 4.30

	morning 12.30	evening 4.30
General form	....	....
Standard form	....	....

2. Fill in the blank.

1 hours = ...seconds

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b. 1. Draw a number line and illustrate the digits 0 to 12
   2. Plot the multiples of 3 on above number line

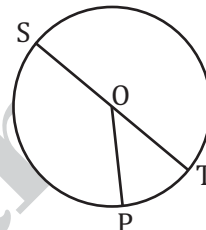c. Some of the plane figures are given below. Name the geometrical figures

1.   2.

05. a. O is the center of the circle, Name the following
    1. OP - ....
    2. ST - ....
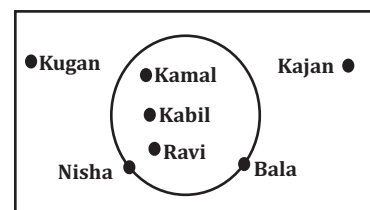   3. If OP = 7cm, Find the length of ST

b. The given diagram shows the targets of 7 people who participated in shooting competition. If the bullet hits on the circle 8 marks will be given and if it inside 5 marks will given no marks for the bullet which hit outside the circle
   1. Which competitors who didn't get any marks

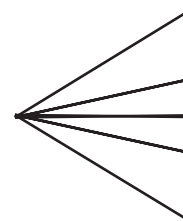   2. Who get 8 marks

   3. How many of them got 5 marks

06. a. Kumar started his journey at 10.00 am, from Jaffna he reach Kilinochi after 1hour 45minutes. then he take 30 minutes for his lunch. Then he started his journey after 2 hours he reach Vavuniya
    1. Find the total time of journey

    2. What time is he reached Vavuniya

b. 1. How many angles are there in the figure

2. Add $\dfrac{1}{3} + \dfrac{1}{2}$

3. Subtract $\dfrac{3}{4} - \dfrac{1}{4}$

4. If the sum of two numbers is 23, and the difference of them is 1, then identify the numbers

Date : ....   **Parent signature : ....**

Mathematics - MODAL PAPER 1   **10**   *Ra.SinThujan. (B.Sc)*

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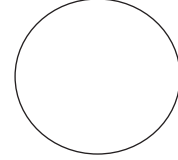
FIRST TERM MODAL PAPER-3
MATHEMATICS
Grade 6

Answer **all** *questions.*

01. Mark a point inside the given circle and name it as T.

02. The value represented by 4 in the number 3425 is how many times of the value represented by 5.

03. The power cut which started at 02:30 ended at 2.30 pm on the same day find the duration of the power cut?.
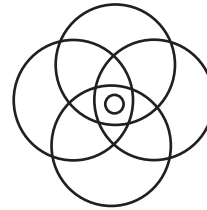
04. Write down the next two terms of the number pattern 8,12,16, ..., ...

05. Write down the number 25004321 in words.

06. Fill in the boxes.

$$\begin{array}{r} 6\ \square\ 2 \\ -\ 3\ 7\ 6 \\ \hline \square\ 3\ 6 \end{array}$$

07. How many circles are there in the design.

08. Denote the number 3065 on abacus.

09. Add $\dfrac{1}{3} + \dfrac{1}{2}$

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10. Fill in the blanks.

   183 minutes = ... hours + ... minutes.

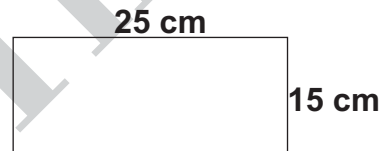11. Write down the main directions.

12. What is the longest straight line which can be drawn inside a circle.

13. Tharani who started her journey at 10.30am finished off her journey after 4 hours and 45 minutes later. Express her finish off time in standard form.

14. Express the shaded portion of the figure as a fraction.

15. Find the perimeter of the rectangle.

25 cm

15 cm
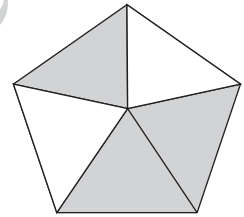
16. Fill in the blank.

   .... x 100 + 18 = 2018.

17. If the sum of two numbers is 9 and their multiple is 20 find the suitable numbers.

18. When rounding off a number to the nearest multiple of ten, 140 is obtained. Expand the maximum value of that number

19. Mark each correct statement with "√" and each incorrect statement with "x"

555 + 45 = 600		598 – 68 = 520	
25 x 1000 = 20500		5015 ÷ 5 = 1003	

20. How many triangles are there in the diagram.

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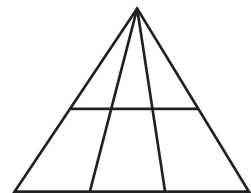
01. (a) Kaviyalan started his journey at 9.00 am from colombo he reached silabam after 4 hour 50 minutes. Then he took 30 minutes for his lunch. Then he started his journey after 3 hour 45 minutes he reached vavuniya.

   1. Find the total time of journey?

   2. What time did he reach vavuniya?

   3. Express the time take to lunch in seconds.

   (b) 1. How many hours are there in a week?

   2. Express 11 minutes 28 seconds in seconds.

02. Answer the following question using the number given bellow.

435	201	605	111
P	Q	R	S

   1. Which number has 6 in hundreds place?

   2. What is the place value of 3 in number 'P'

   3. Represent the number 'R' on abacus.

   4. Expand the number 'P'

   5. What is the difference between greatest and smallest numbers.

Mathematics - MODAL PAPER 1 ⟨ **13** ⟩ *Ra.SinThujan. (B.Sc)*

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6. Find the value of P+Q+R+S?

7. Write down the above number in words.

03. (a) Simplify.

   i. $83 + 107 + 52$ = ...
   ii. $148 + 78 - 99$ = ...
   iii. 481×100 = ...
   iv. $40500 \div 100$ = ...
   v. 105×35 = ...
   vi. $18162 \div 9$ = ...
   vii. $23 + 11 \times 7$ = ...

   (b) A boy has 50 marbles in his pocket when he goes to school. At first play time he wins 26 marble. At second play time he loses 15 marbles. At third play time he loses 4 marbles. How many marbles does he have now?

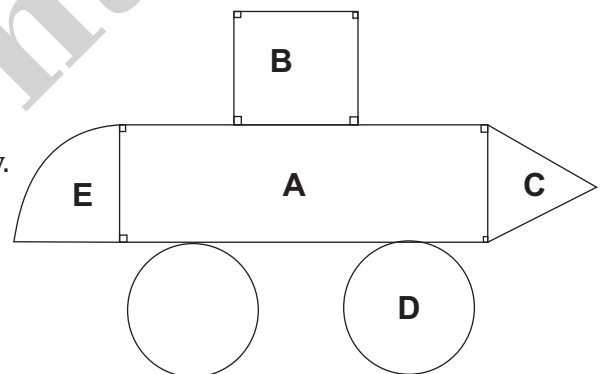04. (a) Write down the name of plane figures shown below.

   A :- ....
   B :- ....
   C :- ....
   D :- ....
   E :- ....

   (b) Find the perimeter of the figure.

   18 cm
   12 cm
   16 cm
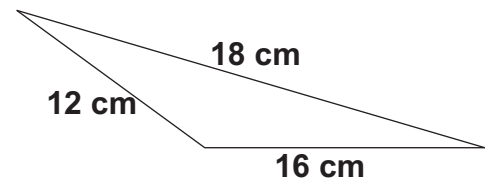
   (c) 1. Draw a number line and illustrate the digits 0 to 10.

   2. Plot the even numbers on above number line.

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05. (a) Write down the type of angles denoted by given diagram.

a :- ....

b :- ....

c :- ....

d :- ....

e+f :- ....
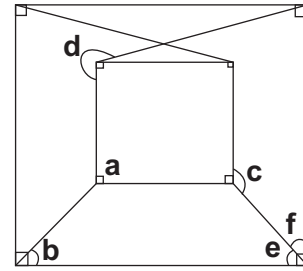

(b) 1. What is the direction of a right angle clockwise from north?

2. What is the direction of a obtuse angle anticlockwise from south?

06. 1. Fill in the blank cage $\dfrac{15}{27} = \dfrac{5}{\square}$

2. Add $\dfrac{2}{5} + \dfrac{1}{5}$

3. Subtract $\dfrac{3}{4} - \dfrac{1}{2}$

4. Write down the largest two digit number.

5. Write down the smallest three digit number.

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Mathematics - MODAL PAPER 1   〖15〗   *Ra.SinThujan. (B.Sc)*

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FIRST TERM MODAL PAPER-4
MATHEMATICS
Grade 6

Answer **all** *questions.*

01. The price of $\frac{1}{2}$ liter oil is Rs 60 , Find the price of $\frac{11}{4}$ liter oil.

02. Expand the number 3012.

03. Write down the standard form of morning 12.15.

04. Write down the next two terms of the pattern 18, 15, 12, ..., ...
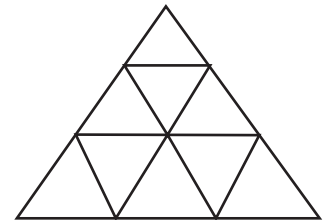
05. Rounding off 1562 to the nearest multiple of 10.

06. Find the value of 1588 + 518 - 88

07. Write the standard form of "three millions forty five.

08. Write down the sub direction.

09. Which type of angle between right angle and straight angle.

10. Shaded $\frac{4}{9}$ of the given diagram.

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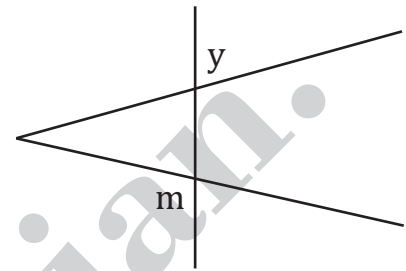
11. What is the direction acute angle clockwise from east.

12. Fill in the blank cages.

```
    4  3  9
    5  □  □
 + □  1  1
 ─────────────
   1  2  0  5
```

13. Fill in the blank using "<" or ">"

(-17)............7

14. Write down the type of angles in the given diagram.

15. Write down the integers between (-3) and 4.
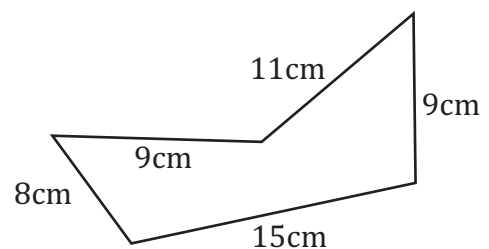
16. How many faces are there in a cube.

17. Which of the following is not an acute angle

i. $50°$ ii. $90°$ iii. $81°$ iv. $111°$

18. What is the maximum number that can be written at any zones.

19. Find the perimeter of the diagram.

20. Simplify. 25 + 20 x 5 + 75

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01. (a) State whether each of following are vertical or horizontal.
    1. School Notice board : ....
    2. Railway gate   : ....

  (b) What are the instruments used to find horizontal, vertical locations.
    1. Vertical   : ....
    2. Horizontal : ....

  (c) When the number of students in a class is rounded off to the nearest ten, it is 40. A new student joins the class. Now the number of students is rounded off to the nearest ten again, it is 50. What is the number of students in the class after the new students.

  (d) Rounded off the giving numbers then simplify 333 + 465 - 99

02. A school decided to help people in a disaster. In this regard they decided to collect Rs 80 from each student. There are 8 classes with 35 students and 10 classes with 40 students.
i. How many classes are there in the school?

ii. Find the total number of students in the 40 students class.

iii. Find the money received from the above 40 students classes.

iv. How many students are there in the classes with 35 students.

v. Find amount of money received from the above 35 students classes.

vi. Find the total money received.

Mathematics - MODAL PAPER 1   **18**   *Ra.SinThujan. (B.Sc)*

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03. (a) Fill in the blanks using '<','>' or '='
   i.   10 0
   ii.   6 .... (+6)
   iii. (-50) 50
   iv. (-4) .... (-12)

   (b) Write down the following numbers in ascending order
   i.   -2,-12,-65,-52,-1

   ii.   -8,6,9,0,-5,1,+6

   (c) i. Draw a number line and illustrate the digits (-3) to 5.
       ii. Plot the numbers (-2) and 2 on above number line.

       iii. Write down the integers between (-3) and 5.

04. (a) Simplify.
   i.   329 + 25   = ...
   ii. 36 + 89 - 18   = ...
   iii. 56 x 1000   = ...
   iv. 2500 ÷ 100   = ...
    v. 35 + 20 ÷ 5   = ...

   (b) Fill in the blanks .... x 100 + 18 = 22000 ÷ 10 - 82

   (c) For how many children would get 1260 biscuits be distributed at 6 biscuit per child?

05. **98765432**
   Answer the following questions using the above number.
   1. Write in standard form.

   2. Separate into zones.

உன்னை நீ அறி...!

3. Write in words.

4. What is the place value of 5

5. Find the value of 6

6. Expand the above number.

7. The value represented by 6 in the above number is how many times of the value represented by 4.
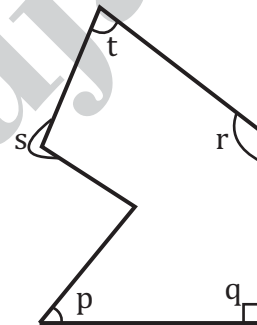

06. (a) Write down the type of angles.

    p :- …………………………………………

    q :- …………………………………………

    r :- …………………………………………
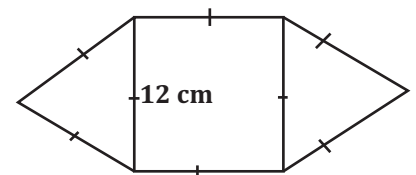
    s :- …………………………………………

    t :- …………………………………………

(b) Which plane figure that can be made by minimum number of sides.

(c) Which plane figures have only right angles.

(d) Find the perimeter of given figure.

12 cm

Date : …………………………

Parent signature : …………………………

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FIRST TERM MODAL PAPER-5
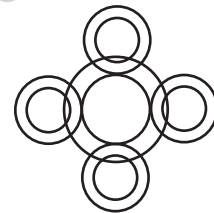## MATHEMATICS
Grade 6

Answer all *questions.*

01. The price of a pen is Rs 15, Find the price of 5 pens

02. Simplify 8 + 88 + 8 + 88 + 8

03. Write down the next two terms of the number pattern 10 , 14 , 18 , ... , ...

04. Fill in the blank cage 14 x 20 x ☐ = 1400

05. How many circles in the given diagram

06. Write down the following numbers in descending order
     (-5) , 4 , 0 , (-3) , 3 , (-7)

07. How many hours in a week

08. Tharani needs Rs 2500 to buy a book. Her sister gave Rs 550, Her mother gave Rs 150 more then sister. Remaining amount was given by her father. How much did her father give
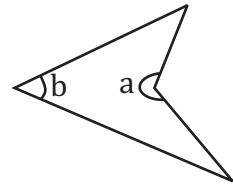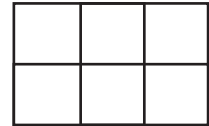
09. Fill in the blank

     1 crore = ... million

10. What is the place value and value of 9 in 6097

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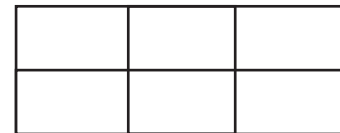11. Rounding off 478 to the nearest multiple of ten

12. Write the type of angle shown by the letters in the given figure

13. How many squares in the given diagram

14. Draw a suitable abacus to 305

15. Shaded that $\frac{1}{3}$ in the given figure

16. A person starts his journey at 7.30 am and then stop his journey at 2.45 pm. Find the time he took to complete his journey

17. Fill in the blank

```
      3 2 5
  x   □ 5
  ─────────
  1 6 2 5
  □ □ □ □
  ─────────
  8 1 2 5
```

18. If the sum of two numbers is 9 and their multiple is 20, find the suitable numbers

19. If the school situated northwest from temple. Then temple situated in which direction from school

20. Name the parts of angle

Date : ....

Parent signature : ....

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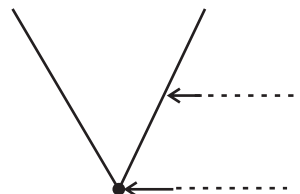
(Answer only five questions)

01. (a) Our school sports meet agenda is given below

Date 5th of march 2018

1.30 pm	-	Guest enter the playground field
1.40 pm	-	Lighting of the traditional oil lamp
1.45 pm	-	prayer
1.50 pm	-	Welcome speech
2.00 pm	-	Commencement of march procession
2.25 pm	-	track events
3.15 pm	-	Interval
3.30 pm	-	Fancy rest competition
3.50 pm	-	Relay events
4.20 pm	-	1500m, 3000m track events (race)
4.40 pm	-	Events for refresh
4.50 pm	-	Events for old boys
5.00 pm	-	Chief Guest's speech
5.15 pm	-	Prize distributions
6.00 pm	-	Vote of thanks
6.05 pm	-	School anthem, national anthem end of event

1. Write the above date in standard form

2. Find the time allocated for interval

3. Express the time duration for vote of thanks in seconds

4. Write the time end of the events athletic meet in standard form

(b) 8 , 3 , 7 , 2

Answer the following question by using above numbers (only one time)

1. Write the greatest number which can be made by using all above numbers

2. What is the different between the greatest and smallest numbers

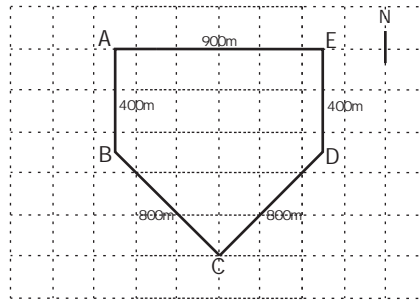3. Draw an abacus for greatest number
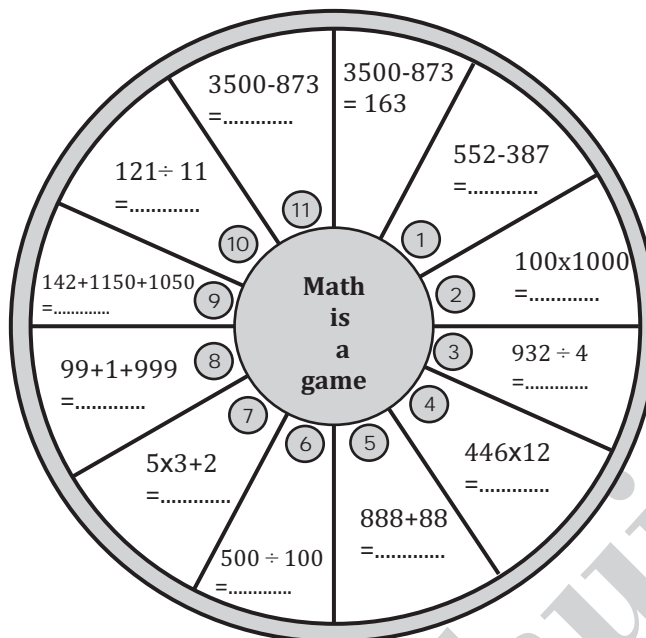
02. (a) Write the type of angles in given diagram

a - ……………………………

b - ……………………………

c - ……………………………

d - ……………………………

e - ……………………………

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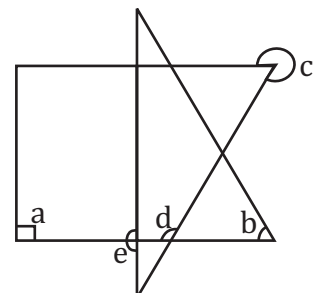
b. 1. Write down the suitable direction in the table, using the given diagram

|	Direction
From A to B	
From B to C	
From C to D	
From D to E	
From E to A	

2. If Taruniyan starts his travel from A, then he travel through the points B,C,D & E finally he reached point A . Find the total distance of his travel

03. A mathematical game is given below. Fill in the blanks

3500-873 =.............

3500-873 = 163

121÷ 11 =.............

552-387 =.............

142+1150+1050 =.............

100x1000 =.............

99+1+999 =.............

932 ÷ 4 =.............

5x3+2 =.............

446x12 =.............

500 ÷ 100 =.............

888+88 =.............

Math is a game

04. (a) In the diagram

1. Which letters indicate positions inside the circles.................................
2. Which letters indicate positions outside the circle.................................
3. If the positions of letters P is on the circle marks the letters P in given diagram   ....
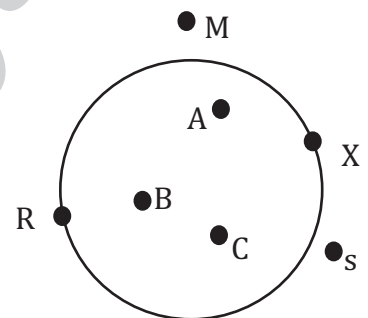
(b) Price list of a shop is given below

items	price
dhal 1kg	Rs 150
Sugar 1kg	Rs 100
Sambarice 1kg	Rs 110
Salt 1kg	Rs 45
onion 1kg	Rs 120

1. Find the price of 250 g onion

2. Find the price of 1500g samba rice

3. A customer needs to buy the following goods prepare the price list

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Items	Price
3kg sugar	
1.5kg dhal	
5kg sambarice	
0.5 kg salt	
Total	

05. Temperature of some cities in srilanka are given below

Colombo (C) :- 30°C   Jaffna (J) :- 25°C

Nuwaraeliya (N) :- 15°C   Trinco (T) :- 40°C

Galle (G) :- 35°C

1. Represent these information on the given number line (using letters)

-40 -30 -20 -10   0   +10 +20 +30 +40 +50
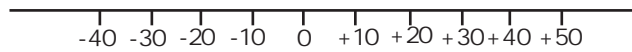
2. Write the name of the city with highest temperature

3. Write the name of the cities in ascending order according to the temperature
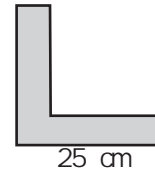
4. By how many degree Celsius the temperature of Jaffna is less than Trinco

5. Fill in the blanks with suitable symbol

1. temperature of Jaffna ....temperature of Nuwaraeliya

2. temperature of Colombo....................temperature of Trinco

06.   1. Find the perimeter of the figure shown here

80 cm

25 cm

2. When maths marks of Tharunjan rounding off to the nearest multiple of ten, the value obtained was 80, write down the maximum and minimum marks of Tharunjan.

3. How many acute angles are there in the figure
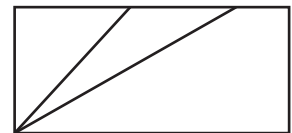
4. Fill in the blanks

85 minutes = ...hour ....minutes

5. What is the name of longest straight line which can be drawn inside a circle

Date : ....   **Parent signature : ....**

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