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மத்திய மாகாண கல்வித் திணைக்களம்
Department of Education Central Province

Grade : 06	Year - End Examination - 2019	32	E	I

Mathematics	Time : 2

Name / Index no.

....
Invigilator's Signature

Important

For the use of examiners only

- The Question paper contains 6 pages.

- Write your Name / Index number correctly in the given space.

- In part I
  Answer all the questions on this paper itself. Use the space provided under each question to write the answer and the working and writing the answer.

- In part - II
  Select six questions and answer in this paper itself.

- It is necessary to write relevant steps and correct units.

- Marks are awarded as follows.

  In part I -
  2 marks for each questions 1-20

  In Part II -
  10 marks for the each question

Question number		Marks
Part I	1-20	
Part II	1	
	2	
	3	
	4	
	5	
	6	
	7	
Total		

....
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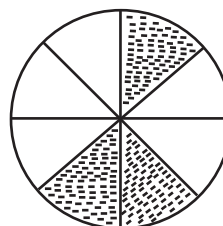Code number

Part - I

❖ Answer all the questions on the paper itself

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01. Price of 6 pencils is Rs. 120. Find the price of a pencil.

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02. What is the direction in between North and East?

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03. In a certain school number of absent students represented as ⼊⼊⼊⼊ ⼊⼊⼊⼊ 11 in a certain day? How many students absent on that day?

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04. Write the shaded region as a fraction of whole.

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05. The mass of a pumpkin is 3054 g. write the mass in kilograms and grams.

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06. Write the next two terms of the number pattern 1, 4 , 9, 16 ...., ...

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07. Separate the following thing in to groups and write a suitable name for each.

Triangle, cuboid, circle. Rectangle, Tetrahedron, square, cube

....

08. Express 0.23 as a fraction

09. Represent 4 and (-2) on the given number line

-5 -4 -3 -2 -1 0 1 2 3 4 5

10. Simplify
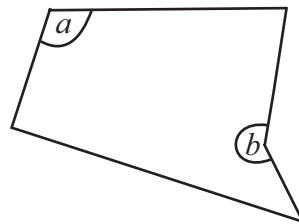
	l	ml
	2	420
+	3	680

11. Distance from Earth to Venus is *411200 km* write the number in standard from and then in words.

12. Write the type of angles given in the figure.

a ....
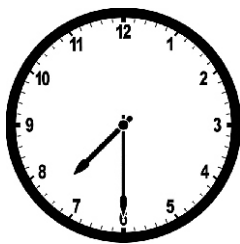
b ....

13. There are five combs in a bunch of plantains. If there are 16 plantains in a comb estimate the number of plantains in the bunch.
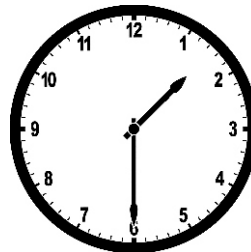
14. Following represent the starting time and the ending time of the school. State the times according to 24 hour clock.

Start Time

The ending time

....

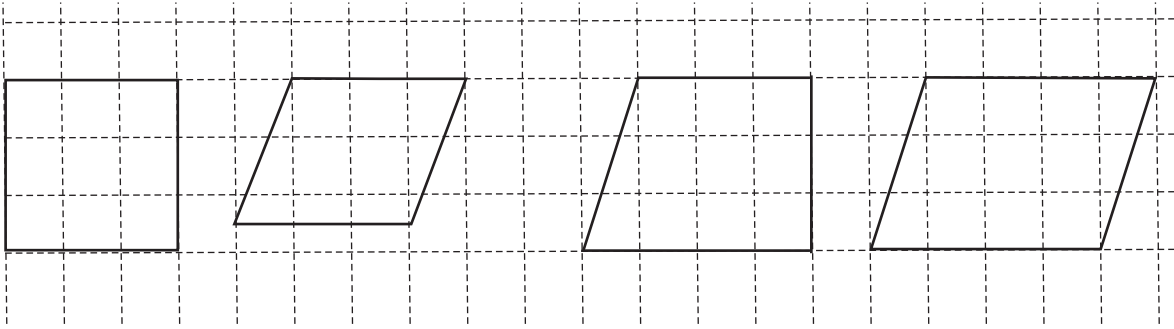...

15. Simplify $27.7 + 8.63$

16. Select and underline the answer which is given the correct names of the plane figure in order.
    i.   Square, Parallelogram, Trapezium, Rhombus
    ii. Rectangle, Parallelogram, Rhombus, Trapezium
    iii. Square, Rhombus, Trapezium, Par allelogram
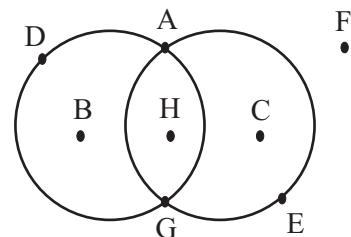   iv. Rhombus, Square, Parallelogram, Trapezium

17. Write all the prime factors of 24.

18. Price of a book is Rs. *a*. A price of a pen is Rs. 15 less than the price of a book. write an algebraic expression for the price of a pen.

19. Father gave Rs. 500 to Kumara. Find the remaining amount of money he has when he bought a book cost Rs. 130 and a pencil box cost Rs. 175.

20. Name two points which are both circles.

Part - II

❖ **Answer 6 questions only.**

(01)a. i. Write the value represented by 3 in the number 14329
   ii. Fill in the blanks

```
        6 ☐☐
   16 | 9872
        96
        ☐☐
        16
        ☐☐☐
        1 1 2
        ☐
```

   iii. 8 workers need five days to complete a task. Each worker get Rs. 1200 per day. Calculate the total amount of money needed for 8 workers for 5 days.

(02) Following table represented the number of students in a certain school who passed the grade 5 scholarship examination during the last five years.

If 4 students are represented by O draw a picture graph of the number of students who passed the scholarship examination.

Group	Number of students
2014	16
2015	10
2016	24
2017	33
2018	35

   ii. Find the total number of students who passed the exam during the given 5 years
   iii. In which year the least number of students passed the exam.
   iv. How many more students were passed in 2018 than 2015?

(03) 3 kg of Banana, 1 kg 500 g of mango, 2 kg of Papaya, 1 kg 200 g of Pineapple, used to make a fruit salad.
   i. Find the total mass of fruits used to make the fruit salad.
   ii. Find the ratio between the masses of banana and mango to the simplest form.
   iii. If the mass of waste is 500 g find the remaining quantity of fruit salad.
   iv. When divided the remaining quantity among 5 persons calculate the quantity of salad each gets.
   v. Round off the above answer to the nearest 10.

(04) a. i. What is the largest fraction out of
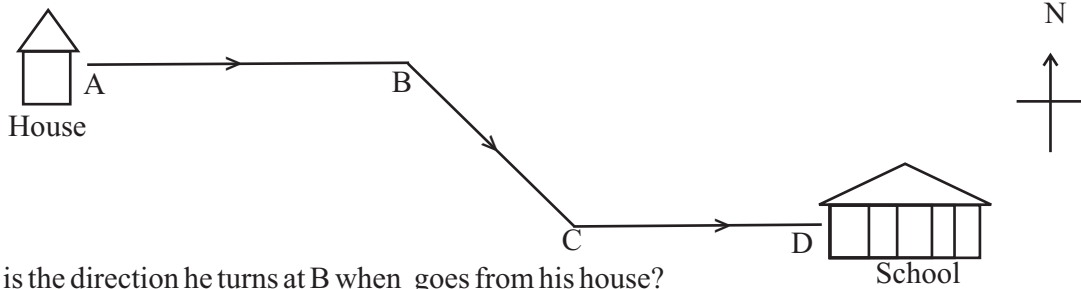
   $\frac{3}{4}$ and $\frac{7}{12}$

   ii. Simplify $\frac{7}{9} - \frac{5}{9}$

   iii. Namal spends $\frac{1}{4}$ of his salary for food and $\frac{1}{8}$ for clothes. What is the fraction he spends for both food and clothes from his salary.

   b. i. Represent $\frac{7}{10}$ as a decimal number.

   ii. Arrange 3.03 , 0.33, 3. 33, 3.3 in ascending order.

(05) a. Following is a sketch of the path from chanuka's house to school

N

A   B

House

C   D

School

   i. What is the direction he turns at B when goes from his house?
  ii. Write the type of the angle formed at B from North.
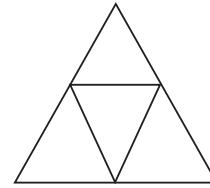
  b. i. Write the name of the solid that can be made using the given block.
     ii. How many faces, edges and vertices in it?
       Faces   : ....
       Edges   : ....
       Vertices   : ....

     iii. What is the shape of a face?

(06) a. i. $16 = 4^{\square} = 2^{\square}$
       Write suitable values in the given blank boxes.

     ii. Expand and find the value of $2^3 \times 5^2$

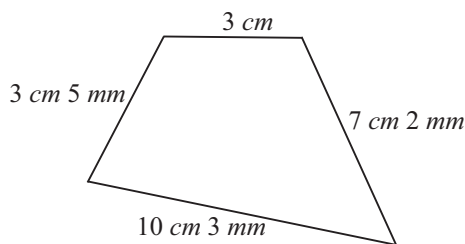 b. Price of a mathematical instruments box is x price of a book is y.
     i. Write an algebraic expression for the balance of money Nimal has when he bought mathematical instruments box giving Rs. 500.
     ii. When x = 355 find the value of the above expression.
     iii. When Sayuri bought a book received Rs. 10 balance.
       Write an algebraic expression for the amount of money she had.

(07)   i. Following figure is a plane figure made by a wire.

3 cm

3 cm 5 mm

7 cm 2 mm

10 cm 3 mm

   ii. Find the perimeter of the above figure.
  iii. Rectangle is made using the above wire in which the length is 7 cm. Find its breadth.
  iv. Find the area of the above rectangle.   (consider the area of square of side length 1 cm is 1 cm^2)
   v. Find the area of the shaded region which has been drawn on 1 cm x 1 cm square grid.