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மாகாணக் கல்வித் திணைக்களம் - வட மத்திய மாகாணம்
DEPARTMENT OF EDUCATION – NORTH CENTRAL PROVINCE

SECOND TERM TEST - 2019

Grade 6

SUBJECT - Mathematics

School : .....

Name of the Student/ Index No : .....

.....

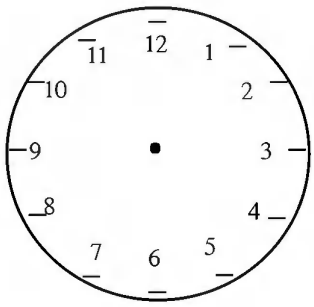
Time : 2 hrs.

Part I

❖ **Answer all the questions**

1) Name two objects which can be used to draw a circular shape.

2) Draw the time 15:45 on the following clock by using hour hand and minute hand



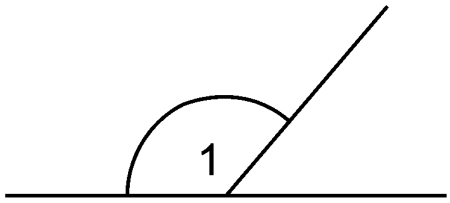
3) What is the value represented by 3, in the number 835 487?

4) If the marks that Nisam got for mathematics is rounded off into the nearest multiple of ten, the value obtained was 80. Write the least mark and the highest mark that Nisam got.

i. Least mark.....

ii. Highest mark.....

5) When adding an acute angle to the angle type represent by 1, the answer is a straight angle.
Of the above statement is true, put a (√) and if it is false put a (X) on the blank.



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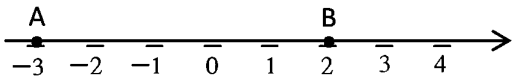
6) Complete the blanks with suitable letters that are represented on the number line.



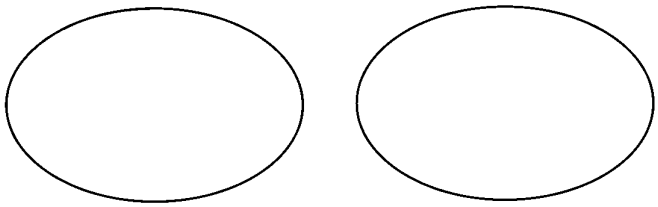
..... > .....

7) Express $2.05m$ in centimeters.

8) 125" 250" 365" 475" 905" 720

From the above numbers, select the numbers which are divisible by both 5 and 10 and write them.

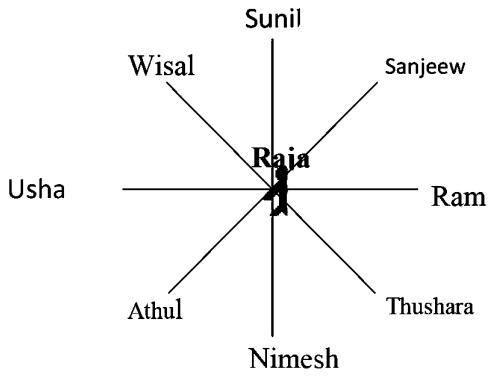
9) $ml, m, km, l, cm, mm\ Km$
Divide the above units into two groups by considering a common property of them and write them inside the circles. Write the group names of them.



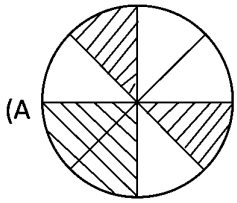
(.....) (.....)

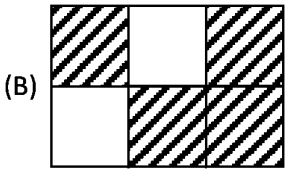
10) fill in the blanks by using the given diagram.' h'

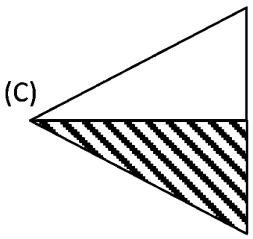
i. .....is to the east of Raja
ii. Raja is to the .....Thushara.



11)







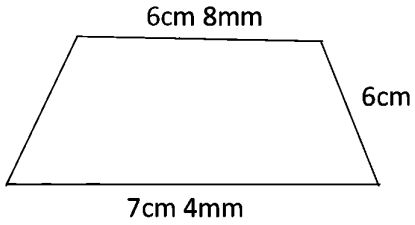
Name the letters that represent a pair of equivalent fraction from the above diagrams.

.....

12) Fill in the blanks

Measuring objects	Suitable measuring unit
i. The amount of water in a tank	.....
ii. The amount of syrup taken by a patient at a time	.....

13) The perimeter of the following figure is 28cm. find the length of the unknown side..

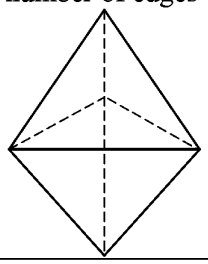


14) Write two types of quadrilaterals with 4 equal sides in length.

15) $Express \frac{53}{100}$ as a decimal number.

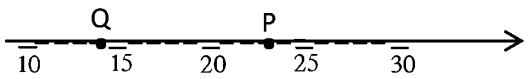
16) Write the triangular number which can be obtained by adding whole numbers from 1 to 5.

17) Following figure shows a solid which is made by pasting two faces of two regular tetrahedrons. Write the number of edges of the solid.



18) Write the two numbers which have only two different factors.

19)



Write the values represented by P and Q of the above number line.

P = ...

Q = ...

20) Select the largest fraction from $\frac{5}{12}, \frac{1}{2}$

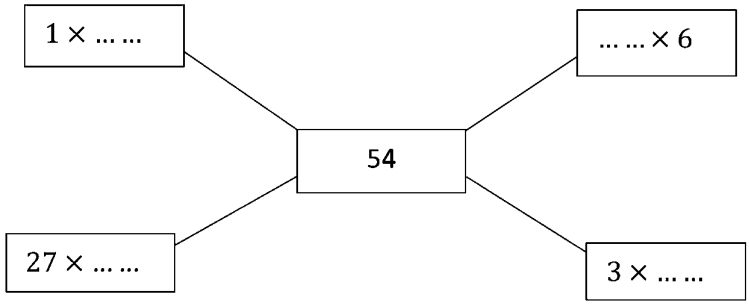
Part II

❖ **Answer only 5 questions ineluding question no. 1**

1)

a. A student was ready to divide and put 54 apples into equal bags.'

i. Fill in the blanks by using the knowledge of factors. 4 marks

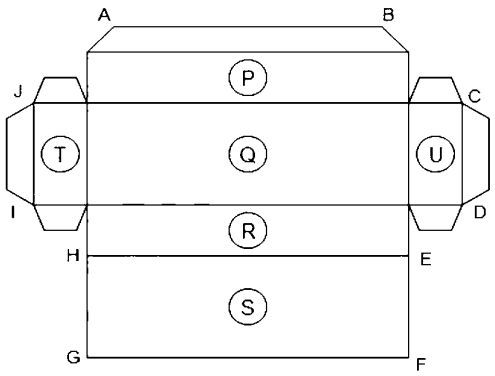


ii. Write 2 factors of 54 by using above figure 2 marks

iii. Show that 3 is not a factor of 32 by using divisibility method. 2 marks

iv. The number of toffees in a box is a multiple of ten, the value obtained was 30. Write the two suitable values for the number of toffees in the box. 2 marks

b.



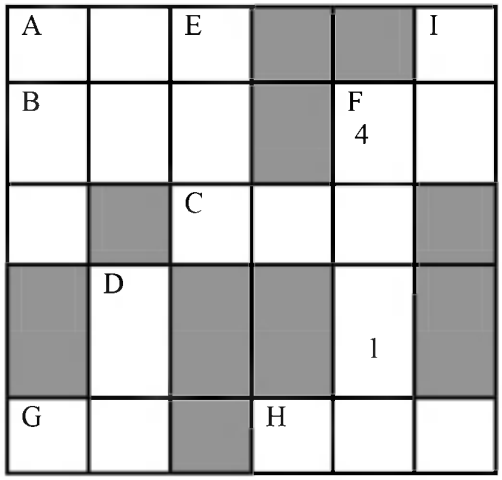
i. Name the solid which can be made by using the above figure. 1mark

ii. Write the number of vertices of the above solid. 2 marks

iii. Name other letters which meet the letter A in a vertex of the above solid. 2 marks

iv. Write the letter of the face which is in front of the face Q. 1mark

2)



Complete the following puzzle.

Across

A– 11^{th} square number
B– the largest even number less than 500
C– 89×10
G– second multiple of seven
H– the price of 500ml coconut oil, if 1l is Rs. 308.
F–If the price of a coconut is Rs.30, the number of coconuts can be bought for Rs.1200.

Down

A– an odd number greater than 147.
E– 200 can be obtained by adding 2 to this number.
D– the number of coconut plants required to grow with 8 plant per each row and column.
F– a multiple of 5.
I– the number of hours for $2\frac{1}{2}$ days

3)

a. The amounts of toffees which are picked by four children in a competition are as follows.'
Nimal -16 Kamal- I Sunil-9 Amal-4

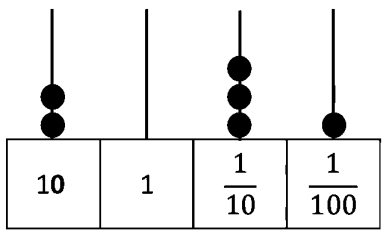
i. Write the amount of above toffees according the ascending order. 1 mark

ii. Name the number pattern relevant to the above order. I mark

iii. What is the 9^{th} term of above number pattern? 2 marks

iv. Which term is I00 of this number pattern? 2 marks

b.



i. Write the number represented by above abacus. 2 marks

ii. Fill in the blanks using < or >

2.52 …….. 2.052

5.I0 …….. 5.0I

0.072 …… 0.72 3 marks

4) Mr. Sirisoma has cultivated some crops in his land as follows.
chilies $\frac{1}{3}$ vegetables $\frac{2}{5}$ fruits $\frac{4}{15}$

i. What is the total area of land used for chilies and vegetables? 3 marks

ii. Name the crop which covers the largest part of the land 3 marks

iii. How much bigger the land cultivated vegetables than fruits? 2 marks

iv. The son of Mr. Sirisoma says that there is not any space to cultivate any other crop as chilies , vegetables and fruits are covering the land. Prove that using a calculation.
3 marks

5)

a.

i. Name 2 measuring units of length. 2 marks

ii. The perimeter of a rectangular shape land id 300m. if the length of the land is 100m, find its breadth. 3 marks

b. The land is to be enclosed with 4 strands of barbed wires leaving space for 2 gates $3m$ each.

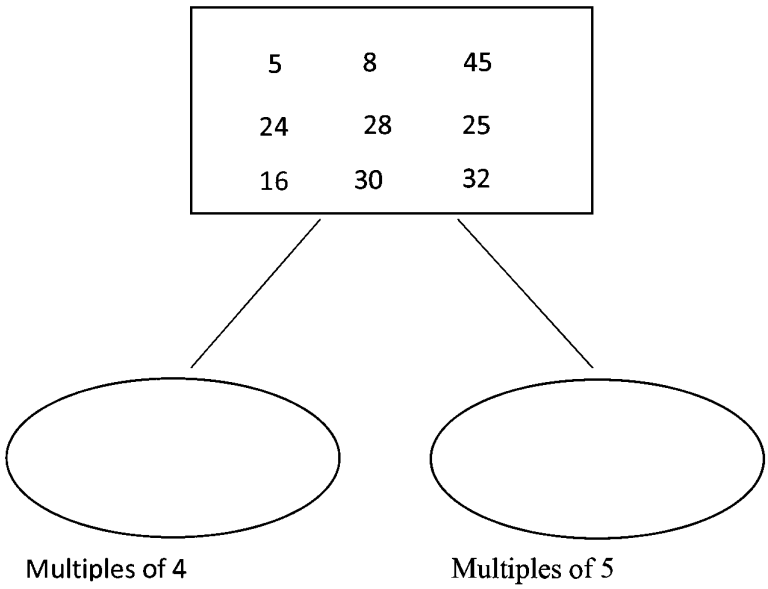
i. Find the length of the remaining part of the land which is to be enclosed by the wire. 2 marks

ii. Find the length of the barbed wire required for enclosing the land with 4 strands. 2 marks

iii. Round off the above length of barbed wire to the nearest multiple of ten. 2 marks

6)

a. Separate the following numbers into 2 groups based on the given common characteristics.



b. The highest marks of 10 students for mathematics in a certain school are as follows.

Nimesh	Nipun	Rani	Umesh	Hameed	Raja	Shanika	Ramesh	Fathima	Pradeep
80	75	93	76	65	81	69	77	63	89

i. When above marks are rounded off to the nearest multiple of 10, who are the students got 70 marks?

2 marks

ii. Due to a printing error in the paper all the students were given 2 extra marks. Who got 70 marks after that? 2 marks

c.

i. A person needs about $65l$ of water to have a bath per day. Calculate the amount of water needed by seven people per day. 2 marks

ii. An amount of $443l\ 200ml$ of water was used by 7 persons to bath per day. Is that amount less or more than the amount of water in above part i? 3 marks