



Grade

6

THIRD TERM TEST - 2019

Mathematics I, II

School : .....

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

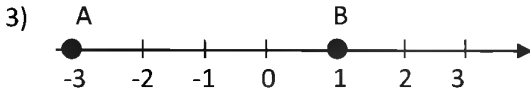
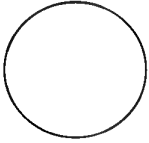
Time : 2 hrs.

Part – I

- Answer all questions.

1) Circle the digit 5 which represents the value 500 in 54 558

2) Mark “ A ” point on the give circle.



Write the relationship between A and B marked on the number line by using “ < or >”.

4) Fill in the blanks.

\* The number of faces of a tetrahedran is .....

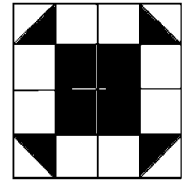
\* The shape of a face of a tetrahedron is .....

5) Janith made a cube and the total length of all the edges of it is 60 m . Find the length of an edge.

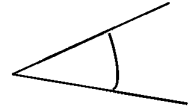
6) A dhamma discussion was started at 17 : 00 and ended at 18 : 20 . Find the duration of the event.

7) Kaveen is facing the North – East. Name the direction indicated by his right hand

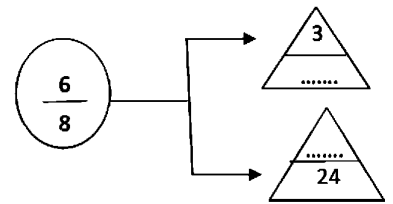
8) If the area of a square is  $1\text{cm}^2$ , Find the area of shaded part



9) The angle marked on the figure is an acute angle. Mark the other angle of it and write the name .



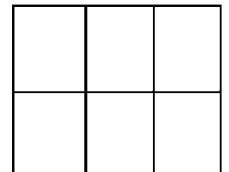
10) Fill the blanks by using the knowledge of equivalent fractions.



11) Simplify  $8.05 - 2.5$ .

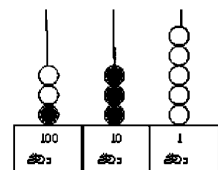
12) Round off 95 to the nearest multiple of ten.

13) Colour  $\frac{2}{3}$  of the given figure.



14) The addition of two numbers has represented on the following abacus write the two numbers which are added together in the blanks.

..... + ..... = 335

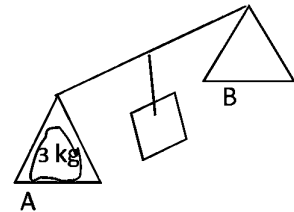


15) Select the numbers which are the multiples of both 2 and 5 from following numbers..

120 , 115 , 24 , 60

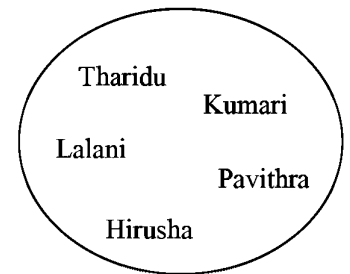
16) Represents 13 by using tallymarks.

17) There is a 3kg of sugar parcel on A side and there is an another 250g of sugar parcel on B side. How many 250g of sugar parcels should be placed on B side, to balance the both sides.



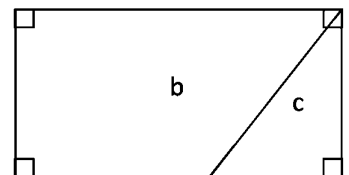
18) Write suitable names of the groups, if the names in the figure are separated in to two groups.

.....  
.....



19) The price 1m of a cloth is Rs. 120.00. Find the price of 6 m of the cloth.

20) If the C part of the rectangle is cut off, Name the plane figure of remaining part.




**Part - II**

- Answer the first question and four other questions.
- Answer five questions on all in the question paper.

1) a. Record of the travelling vehicles in one hour given in the following table by a group of students.

Type of Vehicle	Number of vehicles
Car	18
Van	16
Threewheeler	26
Motorcycle	20
Bus	13

i. Denote 4 vehicles by  and represent this data in a picture graph (M. 06)


ii. Name the type of vehicles which has travelled mostly during this time (M.02)

b. i. Match masses in column A with the suitable measuring instruments in column B.

**A**

The mass of a gold ring

The mass of a student

**B**

Ground balance

Disc balance

Electronic balance

(M.02)

(ii) The mass of the gold ring  $4000mg$ . Express it in grammes (M.02)

(c) The masses of A and B parcels are given below.

<b>A</b> $2.7\text{ kg}$
-----------------------------

<b>B</b> $2\text{kg } 750\text{g}$
---------------------------------------

i. Fill in the blanks using the suitable symbol  $<$  or  $>$

A ..... B

(M. 02)

ii. Find the difference between A and B parcels.

(M 02)

2. (i) Fill in the blanks.

$$2^5$$

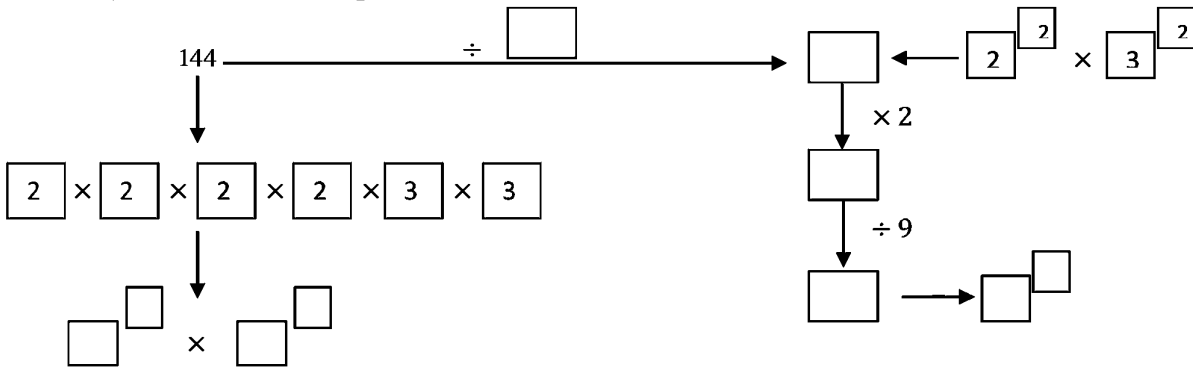
The base is .....

..... is the index

(M.02)

(ii) Fill in the blank squares.

(M.09)



3. (i) Write 3 odd numbers and 3 even numbers between 90 and 100.

(M 02)

(ii) Mark the true statements with “√” and the false statements “x” from the followings (M 03)

- \* Whole numbers greater than one, other than prime numbers are called composite numbers ( )
- \* A prime number is not an even number at all ( )
- \* The smallest prime number is two ( )

(iii) The last row of a triangular number is drawn in the following figure.



(a) Complete the above pattern.

(M 02)

(b) Write the triangular number represented by it.

(M 01)

(c) Find which triangular number is it

(M 01)

(iv) Although 4 is a square number, B is not a square number. Give reasons for it.

(M 02)

4) (a) There is certain number of students in a grade 6 class.

(i) Represent the number of students in the class by using a suitable unknown term. (M 01)

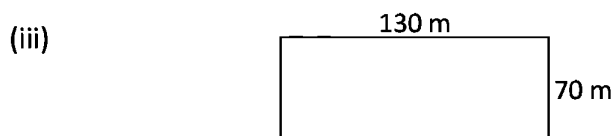
(ii) If seven new students are entered to this class, represent the number of students in the class now by an algebraic expression. (M02)

(iii) If there were 33 students before entering new students, find the total number of students in the class now. (M02)

(b) (i) Underline instances which denote a length from followings . (M02)

- Thickness of a wooden plank
- Height of a electrical pole
- Amount of water in a vessel
- Mass of a parcel.

(ii) The length of a table is 1m 5cm. Express it in centimeters. (M01)



(a) A watcher walks around the above rectangular shaped land daily. Find the distance he walks one round around the land. (M02)

(b) Find the total distance if he walks 10 rounds around the land per a day (M01)

- 5) (i) Write down how you read the ratio 12 : 36 (M01)
- (ii) To make a fruit drink, 5 liters of water of fruit juice are mixed together. Find the ratio of water to the fruit juice . (M01)
- (iii) How many liters of water are needed to be mixed with 6l of fruit juice to make this mixture? (M01)
- (iv) Write an equivalent ratio for 3 : 7 (M07)
- (v) Select and underline the statements that denote a rate. (M02)
- The price of a handkerchief is Rs. 30.00
  - 1Kg of flour and 250g of butter are mixed together to make a cake.
  - A vehicle can travel 18km on 1l of oil
- (vi) The value of 1 US Dollar is 183.00 in Sri Lanka Rupees. What is the value of Sri Lankan Rupees 36 600 in US Dollars. (M 02)

6) a. (i) Write suitable units for following quantities from liters or milliliters.

(M02)

\* The amount of fuel in a fuel bowser .....

\* The amount of eye drops which put in to an eye once. ....

(ii) The quantity of tea in a cup is 175 ml. Find the quantity of tea of 10 such cups in liters and milliliters.

(M03)

(iii) To fill a certain vessel 550 ml of water is needed and to fill another vessel 1 l of water is needed.

Is the water washed from the second vessel if it is filled with twice from the first vessel. Explain the reason.

(M03)

b. Fill in the blanks

(M 03)

$$\frac{1}{4} + \frac{3}{8}$$

$$= \frac{\square}{\square} + \frac{3}{8}$$

$$= \frac{\square}{8}$$