

### Third Term Test - Grade 6 - 2019

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Name/Index No: ..... Mathematics

Time: 02 hours

#### Part I

- Answer all the question on this papers it self.

(1) Underline the circular shapes

Egg

Ring

Bangle

Orange

(2) Write down the number in words 3 628 075

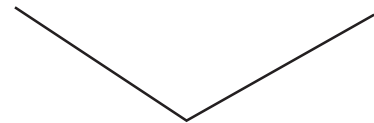
(3) Fill in the blanks using (- 5) and 3 in suitable mannes

..... < .....

(4) Write down two types of angles shown in the figure

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(5) Round off to the nearest

(i) 43 .....

(ii) 75 .....

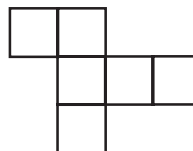
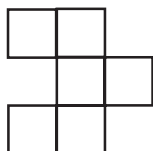
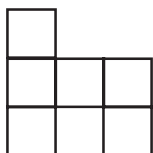
(6) Express 5055g mass in kg and g

(7) Simplify.  $\frac{7}{11} - \frac{3}{11}$

(8) What is the sum of all prime numbers below 10.

(9) Which one is larges out of  $2^5$  and  $5^2$  .

(10) Select and underline the net, that can be used to create a cube.



(11) Fill in the empty squares so that obtained equivalent fraction.

$$\frac{2}{3} = \frac{6}{\square} = \frac{\square}{15}$$

(12) Achild walked 10 meters to the North and then 10 meters to the west and stopped. In which direct the starting point can be seen to him now.

(13) Find the smallest number that can be divisible by these numbers 4, 5 and 6.

(14) Shade  $\frac{3}{8}$  in this Figure.



(15) If the price of 6 apples is Rs 15, find the price of 3 apples.

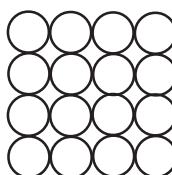
(16) Write down the next two terms of triangular numbers

1, 3, 6, ....., .....

(17) Draw the 3<sup>rd</sup> and 5<sup>th</sup> patterns of square numbers.



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(18) The value of an American Dollar is 182 Sri Lankan Rupees. What is the value of American Dollar 50 in Sri Lankan Rupees.

(19) Find the value.  $18.3 - 6.85$

(20) Select and write the numbers which are divisible by 6, 3846, 8456, 6453, 7278, 6116

## Part II

Answer the first and other four questions.

- (1) (a) The numbers of coconuts that a man had plucked from his land which has 30 coconut trees, was recorded as follows.

6, 6, 7, 6, 8, 8, 8, 9, 7, 10, 9, 7, 8, 6, 9,  
7, 8, 8, 7, 10, 6, 10, 9, 7, 10, 8, 9, 8, 10, 9

Numbers of coconuts from a tree	Tally marks	Number of trees
6		
7		
8		
9		
10		

- (i) What is the highest number of nuts have been plucked from a tree?  
(ii) What is the number of nuts have been plucked from the most number of trees in this land?

- (b) The number of fruits sold at a fruit stall in a certain day is given in the following table.

Draw a picture graph for below data, use the  $\bigcirc$  symbol to denote 4 fruits.

Type of fruit	Number of fruits sold
Orange	16
Guava	10
Mango	21
woodapple	36
Apple	15

- (c) The number of telephones that have been sold at a phone shop during 6 months is represented in the following picture graphs.

- (i) If the number of telephones that has been sold was 72 in the month of july, how many telephones are denoted by  $\bigcirc$  symbol.  
(ii) How many telephones are sold in the month of september.  
(iii) How many telephones are sold during this 6 months.

July	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Aug.	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Sept.	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Oct.	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Novm.	$\bigcirc \bigcirc \bigcirc \bigcirc$
Dec.	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$

- (2) (a) The price of a king coconut is Rs.  $x$

- (i) Write down the new price of a king coconut is terms of  $x$  when the price of a king coconut is increased by Rs. 10  
(ii) Write the remaining amount in terms of  $x$  for some one who paid Rs. 100/- for a king coconut before the price goes up.  
(iii) If  $x = 50$ , find the amount of king coconuts separately that can be bought for 300/- before the price rises and after the price increases.

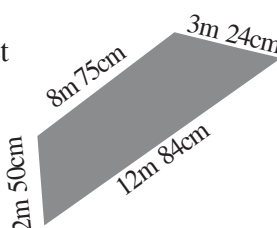
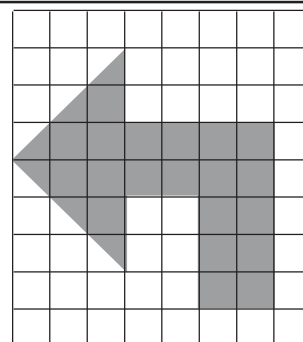
- (b) The daily expenses of sister and brother is Rs.  $P + 120$  sister's daily expenses is Rs. 120/-

- (i) Whose daily income is denoted by  $P$  above?  
(ii) What is the total expenses of both if brother's expenses was Rs. 7/- on Saturday?  
(iii) Is it the value of  $P$  is a constant or a variable on Sunday if the both expenses were Rs. 200/-

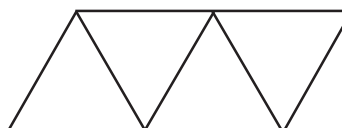
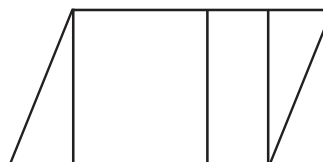
- (3) A fruits drink was prepared for people who come to the school prize giving ceremony. They have added 3 bottles of fruits juice having 2 liters each and 500 ml of lemon juice to the 17 liters of water for this p.....
- Express the total amount of fruit juce mixed in milli leters.
  - Find the ratio and express in its siroplest form, fruit juice and lemon juice in the mixture.
  - Express the total amount of fruits drink in liters and milliliters.
  - If 155 persons participate in the ceremoney find out whether this amount of drink is adequateto seve 150 milliteters each

- (4)
- Express in index form  $5 \times 5 \times 5$
  - Find the base and the index of  $3^5$ .
  - Write down 64 as a power of 2.
  - Write down 64 as a power of a different base.
  - Find the value of  $2^3 \times 3^2$

- (5)
- Find the area of figure &Arrow) which is in the grid.  
The area of each small square is  $1 \text{ cm}^2$
  - There was  $15\ell \ 750\text{ml}$  of water its a vessel.
    - Find  $7\ell \ 300\text{ml}$  of water was added to this vessel.
    - If  $18\ell \ 550\text{ml}$  of water is removed now find the amount of water remaining in the vessel.
  - Find the perimetes of the piece of iron sheet with measurment given in the figure.



- (6)
- Write down 4 types of quadrilaterats. that can be inentified from this figure.
  - It is recorded 23kg 350g of weight of Udari who is standing on a welghing scale. All of a sudden, har brother ran into the scales then the scales indiicator shows 35kg 375 g.  
Find out the mass of Udaris brother.
  - A solid can be made using the net below. Write down;
    - The name of it.
    - The number of faces
    - The number of edges.
    - The number of vestice



- (7) The pricelist of a canteen is given below. There friends came to the canteen and they planned to buy 5 Vadas, 3 Hoppers and 4 packets of Ice.
- Find the tatal expences for this according to the price list.
  - If they had only Rs. 96 find the amount of arreases to be paid.
  - Lates, they chose three types of items so that the three could be shared equally and the cost would be Rs. 96,  
Find the item and the quantity they have selcted to buy?

Item	Rs.
Vade	5.00
Hopper	12.00
Ice packet	10.00
Roles	20.00
Helapa	15.00