

Zonal Education - Kegalle

Third term test - 2019

Grade 6

Mathematics

Time: 1 hour and 30 minutes

Name/ Index no:

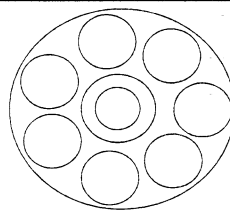
Grade:-

Part I

- Answer for all questions.
- Each question carries two marks.

1) Write 3425910 in standard form and write in words.

2) How many circles are there in this figure?

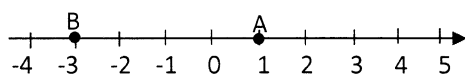


3) Simplify. $3333 + 333 + 33 + 3$

4) minutes seconds

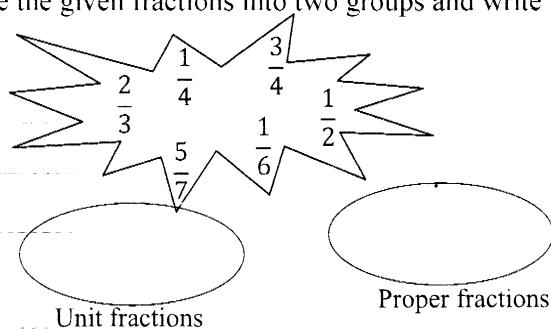
$$\begin{array}{r} 9 \quad 40 \\ + 2 \quad 30 \\ \hline \end{array}$$

5) Compare the two values in A and B using the symbol $<$ or $>$

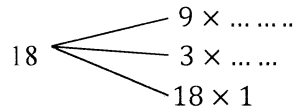


6) Which type of angle made between the hour hand and the minute hand at 3.00 p.m.

7) Separate the given fractions into two groups and write them on the circles.



8) Fill in the blanks writing product of two numbers of 18.



9) Simplify. $5.84 - 1.29$

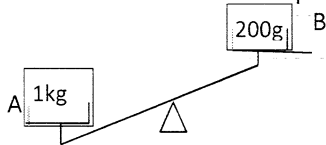
10) First three terms of the square number pattern are given below. Write next two terms.

1, 4, 9, ... , ...

11) $3 : \square = 9 : 15$ Fill in the blank box.

12) 3^2 , Base
 Index

13) What is the mass is to be kept in side B to balance the both sides.

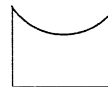


14) If $x = 2$, find the value of $x+5$.

15) ~~||||~~ || What is the number represented by this tally mark?

16) 50 are represented by in a picture graph. What is the number represented by symbol ?

17) Sanduni says that this is a closed straight line plane figure. Is it correct/in correct? Give reasons for your answer.



18) Match the suitable unit.

| A | B |
|------------------------|----|
| A tablet | kg |
| A sack of rice | g |
| A packet of tea leaves | mg |

19) Write the number of edges and number of vertices of a cube.

20) The length of a side of a square shaped lamina is 10cm. What is the suitable unit to measure it's area?

Part II

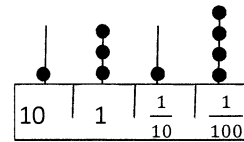
• Answer for only 05 questions.

- 1) a) i. Write the number representing by the counting frame.

(01 mark)

- ii. Write the value represented by digit 5, in 4528

(02 marks)



- b) i. Simplify. $6715 - 5820$

(02 marks)

- ii. Simplify. 425×5

(01 mark)

- iii. Divide. $312 \div 12$

(02 marks)

- c) i. Draw a number of line and mark (-2) and (-5) on it.

(02 marks)

- ii. Write the all negative integers between -4 and $+3$.

(02 marks)

- 2) a) i. Write the time 18:45 in 12 hour clock system.

(01 mark)

- ii. 240 seconds write in minutes.

(01 mark)

- iii. If, Saman leaves home at 6.45 am, and return home at 11.20 am, what is the time spent for his journey.

(02 marks)

- b) The teacher see a student is in a ground according to below,

- i. A tree is to the south of the student.
- ii. Well is to the North East of the student.
- iii. The security office is to the south of the well.
- iv. The student and the security office are to the East of the gate. Draw the figure chart according to the above information.

(06 marks)

- c) i. Express 15m in centimeters.

(01 marks)

- ii. Express 2500m in Kilometers.

(01 marks)

- 3) a) i. Write all factors of 16.

(02 marks)

- ii. 72 write as a product of prime factors.

(02 marks)

- b) The masses of two students are 35.78kg and 40.22kg. Find the total mass.

(02 marks)

- c) Select and write the even number among 1006, 2431, 3333, 10050, 9327, 22548

(03 marks)

- d) Mark the following statements. if it is correct with \checkmark or it is incorrect with \times

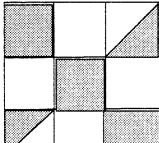
- i. The smallest prime number is 4

()

- ii. 36 is a triangular number.

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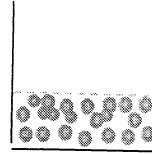
- iii. An odd number add to the another odd number. The answer is an even number. () (03 marks)

- 4) a) i. Which fraction of whole figure is the shaded part.  (02 marks)
- ii. If, $\frac{2}{3} = \frac{\square}{9}$ What is the value suitable for the blank. (01 mark)
- iii. What is the largest fraction between $\frac{2}{3}$ and $\frac{2}{5}$ (01 mark)

- iv. $\frac{1}{3}$ of a journey, go on foot and $\frac{1}{2}$ of this journey, go by bus. Find the total distance of this journey as a fraction. (04 marks)

- b) i. Write $\frac{27}{100}$ as a decimal number. (01 mark)
- ii. What is the largest number between 2.35 and 2.53? (01 mark)

- c) A part of a vessel has filled with 35 glass balls. How many glass balls need to fill the vessel? Write your answer in rounding off to the nearest multiple of 10.



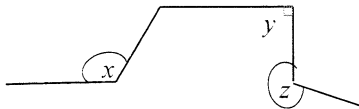
(02 marks)

- 5) a) i. $2 \times 2 \times 2 \times 2 \times 2 \times 2$ Write as index notation. (02 marks)
- ii. 64 write as a power of 4. (02 marks)

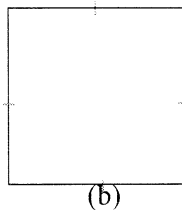
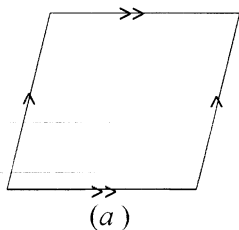
- b) i. How many persons can be shared each 200 ml. from 1l. bottle of soft drinks. (02 marks)
- ii. There are 350ml. in a bottle of Vinegar. Find the total amount of vinegar of 20 bottles in l. (02 marks)

- c) i. One of sugar parcel has 500g of sugar and another parcel has 750g of sugar. Write the ratio between these two parcels in the simplest form. (02 marks)
- ii. If the price of 03 mangos is Rs.45, find the price of 07 mangos. (02 marks)

- 6) a) Name the angles represented by x, y, z in the picture. (03 marks)
- x -
- y -
- z -



- b) There are two plan figures below.



- i. Write a common feature of the both figures.. (02 marks)
- ii. Write a special feature of each figure separately. (04 marks)

c) i. What is the name of the solid we can make by using this net?

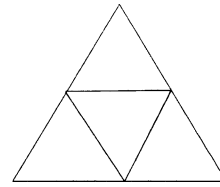
(01 mark)

ii. What is the shape of a face of it?

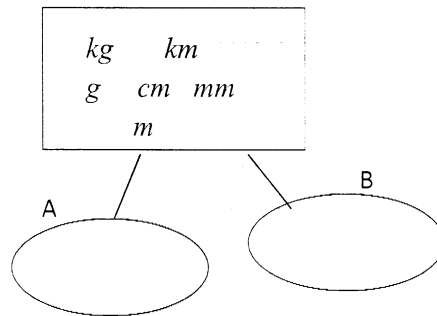
(01 mark)

iii. How many vertices of it?

(01 mark)



7) a) i. Various types of unites mentioned below cage. Separate them in two groups according to their characteristics. (02 marks)




ii. Write the suitable name for above two groups in the above space lines.

(02 marks)

b) Number of letters received to a government office during four weeks in month of May are mentioned in below table.

| week | Number of letters |
|------|-------------------|
| 1 | 24 |
| 2 | 16 |
| 3 | 20 |
| 4 | 12 |

Represent the above data in a picture graph using one symbol  to represent 4 letters.

(02 marks)

c) The length and breadth of a small square are 1cm.

i. Find the perimeter of ABCD rectangle.

ii. Find the area of ABCD rectangle.

(04 marks)

