

THE DEPARTMENT OF EDUCATION - SOUTHERN PROVINCE
YEAR END TEST - 2005
MATHEMATICS

Grade - 6

Name / Index No : Time: 1 hour 30 minutes.

Answer all the question on this papers.

- (1) (a) There are 43 male passengers and 27 female passengers in a bus. When the bus stopped at Kalutara bus stand 18 passengers got down and 3 passengers got in. Then the bus stopped at the Kalutara Bodhiya. All the passengers in the bus put 2 Rupees each in to the tills.

Fill in the blanks.

- (i) Number of male passengers = 43
 Number of female passengers = 27
 Total number of passengers =
- (ii) Number of passengers who got down = 18
 Number of passengers who got in = 3
 Then, the total number of passengers in the bus =
- (iii) The amount of money put in to
 a till by a passenger = Rs 2
 The amount of money put into
 the tills by all the passengers =
 =

- (b) (i) Multiplication of 456×23

Fill in the blanks.

$$\begin{array}{r} 456 \\ \times 23 \\ \hline \end{array}$$

.....

- (ii) There are 48 Jamboos in a bag. Those had to be divided equally among 6 children.

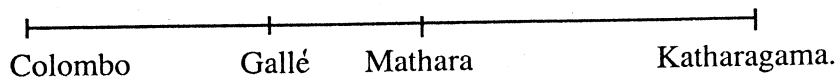
The number of Jamboos got by each child =
 =

- (iii) Singithi has x rupees. Saheed has six rupees.

The total amount of money they both have =

- (2) (a) (i) Write down in expanded form 2^4
 (ii) Find the value of 2^4
 (iii) Find the value of $2^4 \times 3$
 (iv) Find the value $2^4 + 3^2$

(b)



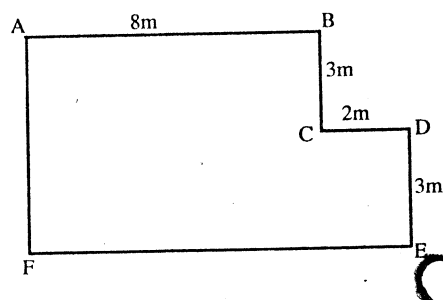
The above figure shows the rough sketch of the route from Colombo to Katharagama.
The following table shows the distances (in km) between the towns.

	Colombo	Galle	Mathara
Colombo	116		
Galle	161	45	
Mathara	.....	172	127

- (i) Find the distance between Katharagama and Galle
- (ii) Find the distance between Colombo and Galle.
- (iii) Fill the blank in the table.
- (iv) A man travelled to Katharagama from Galle and came back to Mathara. What is the distance he travelled.
- (c) (i) In which of the following times do the hands of a clock show an acute angle.
(a) 3.00 a.m. (b) 12.15 p.m. (c) 12.45 p.m.
- (ii) How many right angles are there in a simple angle?

(03) Chathura drew following rough sketch using the floor measurements of his house.

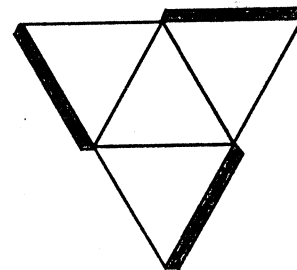
- (i) Find the length of AF
- (ii) Find the length of FE
- (iii) Find the perimeter of the above figure.



- (b) Vishwa walked 10m from A to B towards the East.
Then he walked 10 m from B to C towards the North.
- (i) Draw a rough sketch of his route.

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- (ii) In which direction from the starting point A is he now?
- (c) (i) The figure shows the pattern (net) of a solid object.
Which of the following is it ?
(Cube, Cuboid, Tetrahedron)
.....
- (ii) How many vertices are there in that solid object?
.....



(04) (a) Fill in the blanks of the following using the appropriate symbol of $<$, $=$ and $>$

- (i) 0.61 0.60 (ii) $\frac{1}{4}$ $\frac{1}{2}$ (iii) 2.5cm 25mm

- (b) The following table shows the preference for fruits of a group of students.

Fruits	Tally Marks	Total
bananas	
pineapples	13
mangoes	||||	4

- (i) Fill in the blanks in the above table.
(ii) Find the numbers of students in the group.

- (07) (a) (i) Write the following in the standard form.

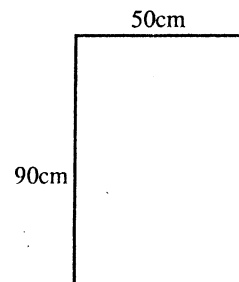
3 metres 45 centimetres and 6 milli metres.

- (ii) Malathi bought 7.5 metres of ribbon and gave 2.25m from it to her sister. Find the length of the remaining part.
.....

- (b) (i) A mason told his' helpers to mix 10 buckets of sand with 2 buckets of cement to make a mixture of plaster. Write down the ratio of sand and cement in the simplest form.

- (ii) Fathima covered the window of her bed room with a paper to avoid the sun light. The measurements of the window are as shown in the diagram.

Find the area of the paper that she needs.
.....



- (08) (a) (i) The day and night cricket match started at 1430h
What is this time in a 12 hour clock?

- (ii) The cricket match ended at 2250h. How long was the match held?
.....

- (b) A trader bought 4kg of tea leaves at 150 rupees per kilogram.

- (i) Write down the quantity of tea leaves in gramms.
.....

- (ii) He made 200 gm packets from the above tea leaves
How many packets could be made?
.....

- (iii) He sold a packet at 40 rupees. If he sold all the packets, Find the amount of money he earned.

- (iv) How much did he spend to buy 4kg of tea leaves.
.....

- (v) What is the profit he got?
.....

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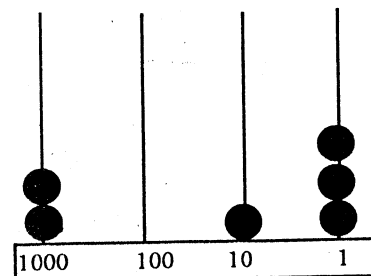
(b) Fill in the blanks of the following bill.

Item	Unit Price	Quantity	Value (Rs) .
Rice	22	5kg	.....
Cake of soap	19	3	.....
Box of matches	.....	6	18.00
Exercise books	12	9	.....
Total			.....

(C) (i) Write down in the numerical form the number you see in the abacus

(ii) Write the number in words.

(iii) Write down in the numerical form the number given below, putting it into zones.

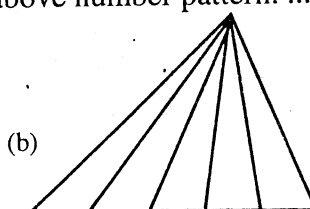
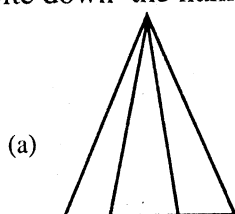


Three million fifty four thousand one hundred and eight.

(05) (a) (i) Find the missing numbers of the following number pattern.

1, 4, 9 25, 36 64

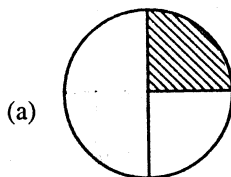
(ii) Write down the name of the above number pattern.



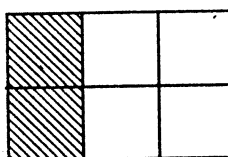
(iii) The total numbers of triangles in the figure (a) are $1 + 2 + 3 = 6$

The total numbers of triangles in the figure (b) are =

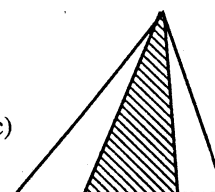
(b) (i)



(b)



(c)



(i) Which figure of the above represents $\frac{1}{3}$?

(ii) How many halves are there in a loaf of bread?

(iii) How many $\frac{1}{4}$ parts are there in 1(one) ?

(6) (a) (i) Add

(a) 3.75

(b) $4.32 + 2.34 =$

4.37

(ii) Subtract 3.7 from 8.02

(iii) Find the value of $\frac{3}{4} + \frac{1}{2}$