

PUPIL'S COMIPLETE INDEX NUIMBER
District


PUPIL'S FULL NAME
SUR NAME: $\qquad$

OTHER NAIMES:

## REVISION OF EXTRACTED QUESTHONS FROM PRIIMARY LEAVING EXAIVINATION 2002 MATHEMATICS

Duration: 2 hours
SECTIONA (65 MARLSS)


 the density of alumis the relative density of alurninium. (2 marks)

26
From the figure, calculate:

(a). The perimeter ( 1.5 marks)
(b) The area ( 1.5 marks)

27 In the figure below, line AC is parallel to line DH. Determine the size of angles $x, y$ and $z$ (3 marks)


29 The length of a cubical container is 20 cm . How many litres of water does the container hold? (3 marks)

30 The following are the ages of 10 pupils in primary six class.
$11,12,13,11,12,14,11,12,13,11$.
(a). Complete the table below (1 mark)

| Age | Frequency |
| :---: | :---: |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |

(b). What is the mode age? (1 mark)
(c). Calculate the average age
( 1 mark)

31 The pie chart below shows how John spent his monthly salary. He spent l000Rwf on water.

(a). Calculate his monthly salary.
(b). How much did John spend on each item?

The figure below is of a rectangular block.


10 cm

5 cm
(a). Calculate it's:
(i). Total surface area ( 2 marks)
(ii). Volume (l mark)
(b). Find the length of the side of a cube whose volume is the same as of this rectangular block. (2 marks)
(c). Caiculate the total surface area of the cube. (2 marks)

Each interior angle of a regular polygon is $150^{\circ}$.
(a). What is the size of each exterior angle of the polygon? (2 marks)
(b). How many sides does the polygon have? (2 rnarks)
(c). If the perimeter of the polygon is 84 cm , find the length of each side. (3 marks)

(a). Calculate the radius of the cross section area. ( $\pi=3.14$ ) (3 marks)
(b). Calculate the length of the tank if the volume is $14130 \mathrm{dm}^{3}$. (4 marks)

In a certain primary school, there are 300 pupils. The number of boys is 2 times the number of girls. $16 \%$ of the boys play football and $\frac{1}{5}$ of the girls play volleyball.
(a). Find the number of:
(i). Boys in the school. (2 marks)
(ii). Girls in the school. (2 marks)
(b). The number of boys who play football. (1 mark)(c). The number of girls who play volley ball. (1 mark)
(d). The percentage of pupils who play volleyball. (I mark)

36 The figure below is of a cone.


## Calculate:

(a). The curved surface area of the cone. ( $\pi=3.14$ )(4 marks)
(b). The volume of the cone (3 marks)

