Province/Clity


District



RURIL'S FULL NAIME
SUR NAIME: $\qquad$
OTHER NAIMES: $\qquad$

## REVISION OF EXTRACTED QUESTIONS FTOME PRIMARY LEAVING EXAMINATION 2008 IVATHEIVATICS

Duration: 2 hours

## SECTION A ( 65 MARTSS)





$31 \mid$ Calculate the total surface area of the prism below. (7 marks)


32 Solve: $(\mathrm{a}) .4(x-1)=2(x+4)$ ( 4 macks)
(b). $\frac{x}{3}+1=\frac{x-2}{2}$ (3 marks)

33120 kg of beans costing 200 fr per kilogram is mixed with a second type of beans costirg 240 frw per kilogram. How many kilograms of the second type of beans are needed to make the cost of 1 kg of the mixture to be 210 frw ? ( 7 marks)

34 Simplify completely: $\left(1 \frac{1}{4}-\frac{7}{10}\right)+\left(\frac{2}{3}+\frac{4}{9}\right)-\frac{1}{4}(7$ marks $)$

36 Students were asked to name their favourite subjects at school. The results were as shown below.

| Subject | Maths | History | Music | Physics | Religion |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of pupils | 2 | 4 | 5 | 1 | 3 |

Draw a histogram, on the graph paper below to show this information. ( 1 marks)


37 The sum of edges of a cube is 96 cm .
Calculate:
(a). The total surface area of the cube. Express your answer in $\mathrm{dm}^{2}$. ( 5 marks)
(b). The volume of the cube. (2 marks)

