# REVISION OF EXTRACTED QUESTIONS FROMI PRIMIARY LEAVING EXAMINATION 2003 MATHEIVATICS 

Duration: 2 hours

## SECTION A (65 MLARIKS)

| $1$ | Multiply 405.2 x 2.5 (2 marks) | 2 | Find the average of $4,5,8$ and 3 ( 2 marks) |
| :---: | :---: | :---: | :---: |
| 3 | Change the following Roman number XXV into an ordinary number (2 marks) | 4 | How many lines of symmetry does a square have? (2 marks) |
| 5 | Use one of the following symbols: $<,>$ or $=$ to complete the fractions. (2 marks) $0.65 \ldots \frac{3}{5}$ | 6 | Fill in the raissing numbers (2 marks) |





31 A sum of 60000 frw is banked at a compound interest rate of $6 \%$ per year. Calculate (a). The total interest after 3 years ( 5 marks)
(b). The total amount of money in the bank for the 3 years if no money was withdrawn. (2 marks)

32 Simplify completely the following algebraic expr sion:
(a). $4(m-n+5)-3(m-2 n+2)$ ( 3 marks)
(b). Solve the equation: $\frac{x}{5}-\frac{1}{2}=\frac{3}{10}$ ( 2 marks)
(c). Find the value of $3 a b-b c+6 a$, if $a=2, b=3$ and $c=0$ ( 2 marks)

John is 25 years younger than his father. After 3 years, John's father will be 2 times as old as his son will be. Calculate the ages of the father and the son now. (7 marks)

34 In the figure below, triangle $A B C$ is an isosceles triangle and tine $A B$ is parallel to line $C D$. Angle $B A C=50^{\circ}$ and angle $\mathrm{BDC}=30^{\circ}$.

Calculate the sizes of angles $a, b, c, d, e, f$ and g (7 marks)

40 children use 24 kg of sugar in 30 days. All children use equal quantities of sugar each day. (a). If there are 50 children, in how many days would they use 24 kg of sugar? ( 3.5 rnarks)
(b). How many children would use 14 kg of sugar in 35 days? ( 3.5 marks)

36 The distance from town $A$ to town b is 200 km . A car leaves town $A$ at 7:00am and travels at an average speed of $60 \mathrm{~km} / \mathrm{hr}$. On the same day a bus leaves town $A$ at 3:00am and travels at an average speed of $90 \mathrm{~km} / \mathrm{hr}$. If both vehicles don't stop on the way, at what distance from town $A$ does the bus catch up with the car? ( 7 marks)

37 You are given the following points and their coordinates: $O(0,0), A(1,1), B(2,2), C(3,3), D(4,4)$ and $E(5,5) . \quad$ ( marks )

(a). Plot the coordinates of these points on the squared paper above and write the letters which correspond to the points.
(b). Join the points with a line
(c). From the graph, complete the co ordinates of: $F(0,5$, $\qquad$ ), G( 2, 5).

