

Date: / /

MONTESQUIEU BILINGUAL PRIVATE SCHOOL YAOUNDE

First sequence evaluation

Class : form 1

Mathematics



Time allowed : 1h30mins

Coef : 5

Instructions : Answer all the questions, showing all the workings.

1. Write the following numbers in expanded form
 - a) 7342_{10}
 - b) 1221_3

2. Write down the following in condensed form
 - a) $2 \times 10^3 + 3 \times 10^2 + 4 \times 10^1 + 8 \times 10^0$
 - b) $1 \times 2^4 + 1 \times 2^3 + 1 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$

3. Convert the following number bases to base 10
 - a) 11011_2
 - b) 123_4
 - c) 1000_3
 - d) 127_8
 - e) 243_5

4. Change 27_{10} to a binary base.
5. Change 124_{10} to a base 3 number.
6. Convert 125_{10} to base 5.
7. Which number base is use in electronic devices ?
8. Which number base do we use in country ?

Good luck !!