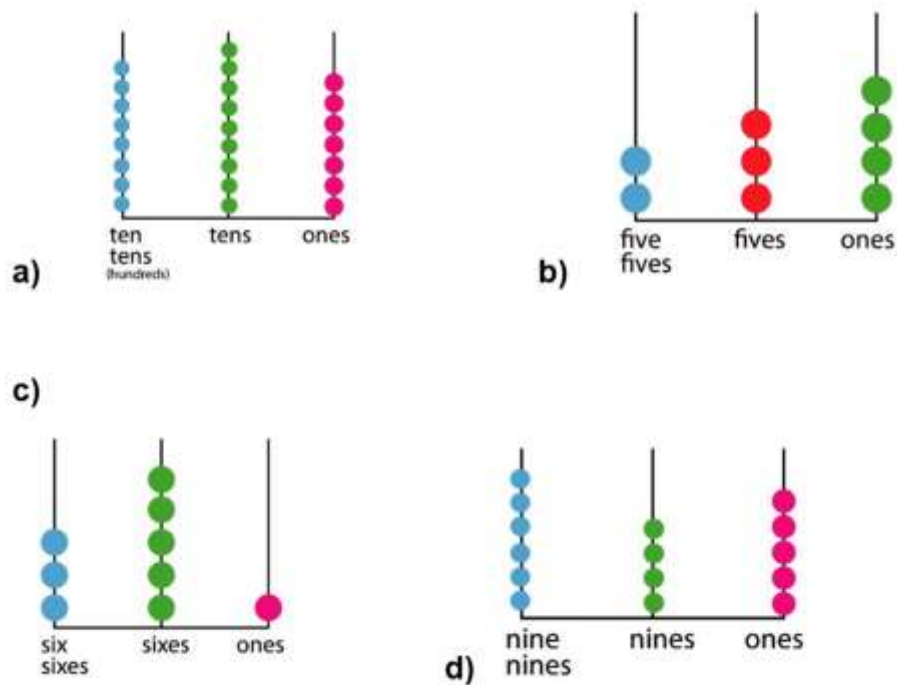


**MERRYLAND HIGH SCHOOL-ENTEBBE-KINGUGU & KATABI
CAMPUS.**

S.1 MATHEMATICS HOLIDAY WORK

1. Which possible base does each abacus below represent?



2. List the numerals for the following bases:

- i) Two (Binary)
- ii) Three.
- iii) five
- iv) seven
- v) eight.
- vi) nine
- vii) eleven
- viii) twelve
- ix) sixteen

3. Now study the table below and fill in the gaps.

Base	Numerals
Two	0, 1
Three	0,1,2
Four	0,1,-,3
Five	0,-,2,-,4
Nine	0,1,2, -,4, -,6,-,8
Twelve	0, -, 2, - , 4, - , - , 7, - , 9, - , e
Sixteen	0,1,2,3,4,5,-,-,-,9,t,e,-,-,-,-

4. State the place value of each numeral in the following numbers:

a) 321_{four} b) 354_{six} c) 247_{eight}

State the value of each numeral in the following numbers:

b) 567_{nine} b) 381_{twelve} c) 11010_{two}

Represent the following numbers on the abacus:

(a) 1101_{two} (b) 2102_{three} (c) 2021_{four} (d) 5645_{seven} (e) 8756_{nine}