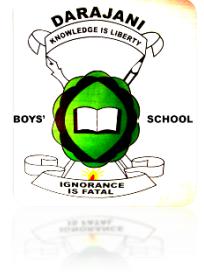


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**DARAJANI BOYS' HIGH SCHOOL,**  
P.O BOX 20-90129, NGWATA



**OPENER CAT, TERM II, 2015**

**FORM 1**

**MATHEMATICS**

**NAME:..... ADM.NO:..... CLASS:.....**

1. Evaluate:-

$$\frac{6+3(7-5)x 4}{-5 x 3(2-7)-3(7-2)}$$

(4mks)

2. Find the least number that can be divided by 16 to give 425 as the quotient and 13 as the remainder.

(3mks)

3. Use number line to find the value of the following:-

(a)  $-5 + (+3) - (-1)$

(2mks)

(b)  $-6 - (-2) - (-1)$

(2mks)

(c)  $-1 - (+2) + (-3)$

(2mks)

4. Express the following numbers as a products of their prime factors:-

(4mks)

(a) 1000

(b) 1440

5. In a school of 720 pupils,  $\frac{2}{5}$  are athletes,  $\frac{1}{8}$  play football and  $\frac{2}{3}$  of the remaining pupils play hockey. How many pupils play hockey.

(3mks)

6. Convert the following decimals as fractions:-

(a)  $0.\overline{23}$

(2mks)

(b)  $3.\overline{187}$

(2mks)

7. Use square tables to find the value of the following. Leave your answer in standard form.

(a) 0.00049

(2mks)

(b) 2141

(2mks)

8. Use factorization to find the square root of 1225.

(2mks)