**MPIKA BOYS SECONDARY SCHOOL**

**INTER HOUSE JUNIOR MATHEMATICS QUIZ**

**1ST FEBRUARY, 2014.**

**INSTRUCTIONS**

1. Two attempts only.
2. 1 minute to answer a question.
3. 2 points for each correct answer.
4. 0 points for a wrong answer.
5. Convert into a mixed number.
6. Express 5 as an improper fraction.
7. Express 0.125 as a fraction in its lowest term.
8. Evaluate the following +
9. Find × ×
10. What is 3 × ?
11. What is ÷ 16?
12. Find 1.8 ÷ 0.09

**20 Answer**

1. Mushikanyimbo does of the sweeping in the hostel and Nyenga does of the sweeping, how much sweeping remains to be done?
2. The price of a bottle of soft drink is K3. Find the total amount Kuichaila spends if he buys 5 bottles.

**K15 Answer**

1. Convert into a percentage.

**150% Answer**

1. Express 0. 52 as a percentage.

**52% Answer**

1. Express 45% as a common fraction in its lowest term.
2. The area of a square is 81 cm2. What is its perimeter?

**36cm Answer**

1. What is the number of significant figures in 0.8704?

**4 Answer**

1. 40 boys can do a piece of work in 5 days. In how many days can 8 boys do the same piece of work?

**25 days Answer**

1. Mr. Kalunga bought a computer at K3 000 and later sold it at a profit of 15%. Find the selling price of the computer.

**K 3 450 Answer**

1. Divide 4.8 by 0.12

**40 Answer**

1. Express 0.00653 in standard form.
2. Find the next two terms in the sequence, 81, 72, 63, 54,…

**45 and 36 Answer**

1. Given that $1= K4.75. How many dollars can be bought from K76 000?

**160 Answer**

1. Find the lowest common multiple of 6, 12 and 18.

**36 Answer**

1. What is 12% as a fraction in its lowest term?
2. If A = {1, 2, 3}, how many subsets does the set A have?

**8 Answer**

1. What is the value of
2. Solve the simultaneous equations
3. Find the HCF of 18, 24 and 36.

**6 Answer**

1. Find the value of
2. What is the compliment of
3. Express 8 as a product of its prime factors.
4. Given that a = -5, b = 2 and c = 0. Find the value of a2 – b2 + c2

**21 Answer**

1. Change to a number in base ten.

**16 Answer**

1. Find the ratio of 75 : 100 in its simplest form.
2. What is 30% of 60?

**18 Answer**

1. Solve the equation
2. Given that
3. What name is given to a six-sided polygon?

**Hexagon Answer**

1. Evaluate  1 + 
2. During a mathematics test, Omega got 16 out of 20. Calculate his percentage mark.
3. Factorise

***THE END!!!***