**HORMISDALLEN PRIMARY SCHOOL- KYEBANDO**

**P.7 MATHEMATICS SET I**

**Time allowed: 2hours 30 minutes**

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCHOOL NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| ***SECTION A (40 MARKS)*** | |
| 1. Add 172+7 | 2. Simplify: 2a+5a-6a |
| 3. Given that: Set A = {a, b, c, d }  B = {f, e, a, c}  Find | 4. Find the range of the following.  5, 7, 2, 8, and 6 |
| 5. Express 4 as a percentage  5 | 6. How many lines of folding symmetry does the figure below have |
| 7.4 books cost 4000= what is the cost of 10 similar books | 8. What is the highest common factor of 18 and 24? |
| 9. A floor of a class room is 8m by 6m, find the area of the floor. | 10. Work out 1 – 1  2 3 |
| 11. Write 122 in roman numerals | 12. Find the size of the angle y.  y  1070 |
| 13. Given that represents  17 pieces of fish .How many pieces are represented by | 14. Divide 1212÷ 2 |
| 15. | 16. round off 4.38 to the nearest to 1 decimal place |
| 17.add 304 five +11 five | 18. A die is tossed once, what is the probability of even numbers appearing on top |
| 19.Express 120 minutes into hours | 20. simplify:+3 -+7 |
| ***SECTION B (60 MARKS)*** | |
| Marks for each part of the question are indicated in the brackets | |
|  | |
| 21a).subtract 241five  -32 five | 21b) Complete the table by adding base five   |  |  |  | | --- | --- | --- | | + | 3 | 4 | | 2 | \_\_\_\_\_\_\_\_ | 11five | | 4 | ­­­­­­­­­\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ |   3 mks |
| 22.a) work out 1 of 24 goats 2 mks  3 | |
| b) Simplify: 6 6  ÷  9 27 | 23. The pie chart below shows how Mr.Mugisha spends his monthly income of shs 120,000=  1200  rent |
| 1. Find the value of Y 2 mks 2. What fraction of Mr. Mugisha’s income is spent on food 1mk | |
| c)How much does he spend on fees? 2mks | |
| 24a)Write as a single numeral  2x102)+(3x100)+(4x104) 3mks | b) What is the value of 4 in the figure 4293? (2mks) |
| 25. The diagram below shows prime factors of 30 and M  Fm  F30  Find the value of  21  31  22  23  g1  i)m 2 mks  ii)g 2 mks | b)Find the greatest common factor (GCF) of 30 and m 1 mk |
| 26(a) Monica scored the following marks in end of term one 2015 examinations   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Subject | Maths | Eng | Re | Sst | scie | | Marks | 80 | 70 | 80 | 50 | 80 |   Name the worst performed subject  1 mk | b) Find the median mark 2 mks |
| 1. Calculate the mean mark 3 mks | |
| 27 a) solve for n: 2n+3= 7 3 mks | b) Given that a=c=6 and m=2, work out am-c 2 mks |
| 28(a) Given that n(∑)=43, n(F)=20, n(G) only=23 and n(FnG)=7  Complete the Venn diagram below  n(€) =\_\_\_\_\_\_\_\_\_   |  | | --- | | n(F)=20 n(G)=\_\_\_\_\_  \_\_  \_\_  7  \_7\_\_\_ | |  | | |
| 29) Kanyama went for shopping with a fifty thousand shillings note and bought the following items  2 kg of rice at shs 2300 each kg  500 gm of sugar at shs 3400 each kg  2 dozens of books at shs 500 each book  Calculate his total expenditure. 4 mks  b) Find his change | |
| 30a) in a box there are 33 apples, 1  3  of them are ripe and rest are raw  a) Find the fraction of raw apples | b) How many apples are raw  12 mks |
| c) How many more raw apples than the ripe ones are in the box?  (1mk) |
| 31. Write all prime numbers between 30 and 40. 2 mks | |
| b) Find the square root of 0.36 3 mks | |
| 32. Subtract Hr Mins  12 45  -3 51 | |
| B ) a bus left kabale at 10:30 am moving at a speed of 48 km per hour and arrived at Mbarara at 12:30 pm  What is the distance from Kabale to Mbarara 3 mks | |