**SECTION A**

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| 1. | **Subtract:** 347 – 39 | 2. | Given that **M** = a, b ; list all the subsets in set **M**. |
| 3. | The probability that it rains on a Thursday is . What is the chance that it does not rain on Thursday? | 4. | Okello is three times as old as Lala. Their total age is 52 years. How old is Lala? |
| 5. | Work out:  3 – 4 = \_\_\_\_\_ (finite 5) | 6. | Musa borrowed 80,000/= from the bank at an interest rate of 10% per annum for a years.  How much interest did Musa pay back? |
| 7. | How many lines of folding symmetry has the shape below. | 8. | What is the sum of the 3rd and 6th odd number? |
| 9. | Given that m = -2, b = 3 and n = 5.  Find the value of b(m2 + n) | | |
| 10. | Show the time “**twenty minutes to ten**” on the clock face below.  8 | | |
| 11. | Using a ruler, a pencil and a pair of compasses, construct an angle of 600 below. | | |
| 12. | Kamese listed down some integers as shown below.  5, 6, -3, 0, -6, 2 1 and 7.  Find the range. | 13. | In a class of **40** pupils, **2** pupils sit at each desk. If there are **22** boys. How many desks are needed by the girls in class? |
| 14. | In a village of 50 people, the ratio of adults to children is 2:3. Find the number of children in the village. | 15. | Increase **150kg** by **20%** |
| 16. | What number has been expanded to get:  (7x1000)+(4x100)+(2x10)+(8x1) | 17. | Find the next number in the sequence.  0, 2, 4, 6, 8, \_\_\_\_\_\_\_ |
| 18. | Use the distributive property to work out;  (3 x 5) + (5 x 7) | 19. | Find the size of angle **k**.  k  1350 |
| 20. | Amos is the 8th child in a line from either sides. How many children are in the line? | | |
| **SECTION B** | | | |
| 21. | The table below shows litres on milk which Mugerwa collects from his farm. Study it to answer the questions below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Days of the week** | **Mon** | **Tue** | **Wed** | **Thur** | **Fri** | **Sat** | **Sun** | | **Litres of milk** | 24 | 27 | 24 | 28 | 24 | 25 | 30 |   a) What is the mode? (1mk)  b) Find the median? (2mks)  c) Find the mean (2mks) | | |
| 22. | A boy is 2 years older than his sister. Their total age is 20 years.  a) How old is the sister?  (3mks)  b) How old is the boy? (2mks) | 23. | a)Find yif 23y = 13ten  (3mks)  b) If today is Monday. What day of the week will it be 22 days after? (2mks) |
| 24. | The sum of **3** consecutive three odd numbers is **45**. Find the numbers. (5mks) | | |
| 25. | In a class of **40** pupils, 25 like meat (M), 18 like fish (F), 2 like neither and k pupils like both types of food.  a) Complete the Venn diagram.  n() = 40  n(M)= \_\_\_ n(F)= \_\_\_\_  \_\_\_\_ k \_\_\_\_\_  (3mks)  b) How many pupils like both types of food? (2mks) | 26. | If k = 4, l = 5, m = 3.  a) What is klm? (2mks)  b) (kl – m) (2mks)  c) k + l (1mk) |
| 27.The table below shows the number of pupils who were registered by  National identification Registration Autority (NIRA)   |  |  | | --- | --- | | **School** | **Number of pupils** | | Kiira P/S | 715 | | Mengo P/S | 809 | | Lubiri P/S | 3245 |   a) How many more pupils were registered in Lubiri P/S than Mengo  P/S? (2mks)  b) Represent the number of registered pupils in Kiira P/S on an abacus.  (1mk)  c) Find the total number of registered pupils in the three schools.  (2mks) | | | |
| 28. | Find the value of **m**. (3mks)  2m  800  b) Find the size of angle **p**.  (2mks)  800  300 p | 29. | Mr. Mutyaba bought the following items for his daughter.   * 1 dozen of books at   Sh. 1,800 per dozen.   * 4 pens at Sh. 200 each * 1 ream of ruled papers at Sh.35000 each. * 2 dresses for uniform at   Sh. 5,500 each  a) What was his total bill?  (2mks)  b) What was his balance if he had anote of Sh. 20,000? |
| 30. | Mr. Odongo covered a distance of 240km in 6 hours.  a) Calculate his speed. (2mks)  b) What speed must he use in order to complete the same journey in exactly 3 hours. (3mks) | | |
| 31. | Simplify: 0.45 x 0.15  0.009  (3mks) |  | b) Express as a mixed  fraction. (2mks) |
| 32. | The pie chart below shows miss Kityo’s monthly expenditure.  Shelter fees  y  1200  Medical care  i) Find the value of y. (3mks) |  | ii) Find how much she spends on fees. If she earns  Sh. 360,000. (2mks) |

***End***